

# PRODUCT GUIDE

## 产品目录 2025

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GENEVER BIOTECHNOLOGY (JIANGSU) CO., LTD.

建诺为生物技术（江苏）有限公司



## ABOUT US

### 关于我们

Genever Biotechnology (Jiangsu) Co., Ltd. is a high-tech company specializing in providing process and laboratory R&D solutions for the life sciences sector. As an accredited national high-tech enterprise, we focus on the R&D, production, and distribution of mid-to-high-end life science products, medical consumables, and biological reagents. The company established its proprietary brand GENEVER in 2021, having obtained ISO9001 and ISO13485 quality management system certifications, along with recognitions including Taizhou Key Scientific Innovation Project, Jiangsu Provincial Key New Technology & Product Accreditations, and the National High-Tech Enterprise certification. GENEVER's comprehensive product portfolio spans across molecular biology, cell biology, immune cell therapy, clinical diagnostics, drug screening, genomics, and proteomics.

Operating from our primary GMP-compliant production base in Jiangsu Province, the facility features 100,000-grade cleanrooms and houses a professional R&D team. We adhere to stringent quality control protocols, utilizing premium imported raw materials and implementing batch-by-batch quality inspections throughout our GMP-standardized manufacturing processes. Our extensive product lines include: Cell culture systems, Liquid handling & filtration solutions, Serum/media packaging bottles, Cell cryopreservation products, Liquid storage containers, Centrifuge tubes & deep-well plates, PCR consumables, Specialty reagents for cellular and molecular biology.

With products distributed globally, GENEVER has gained international recognition across multiple markets. Committed to our corporate philosophy of "Innovation, Commitment, Impact" we continuously advance technological development to deliver premium products and services to biopharmaceutical companies, cell therapy institutions, academic research centers, third-party testing organizations, and governmental agencies worldwide.

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Cell Culture

## Cell Culture Plate



### Product Introduction

The product is constructed from optically clear, virgin polystyrene. The cultivation surface is specially treated to achieve optimal cell adhesion performance, promoting robust attachment across diverse cell types and ensuring exceptional experimental outcomes. It is currently available in five well-count configurations: 6-well, 12-well, 24-well, 48-well, and 96-well.

### Key Features

- ▶ Individual paper-plastic packaging: Facilitates convenient usage and storage.
- ▶ Unidirectional lid closure design with integrated condensation ring: Minimizes contamination risk during operation.
- ▶ Non-slip grip zones on plate sides: Ensures secure handling during experimental procedures.
- ▶ Interlocking stacking rings on lid and base: Streamlines transfer and stacking operations.
- ▶ Alphanumeric labeling system: Enhances traceability and sample identification.
- ▶ Elevated base feet: Minimizes surface contact to reduce contamination potential.
- ▶ Uniformly flat base: Ensures optimal compatibility with microscopic imaging systems.
- ▶ Certified free of pyrogens, endotoxins, and DNase/RNase enzymes; Sterilization assurance level (SAL) of  $10^{-6}$ .

### Ordering Information

| Catalog Number | Description                  | Well Diameter | Recommended Working Volume | Growth Area per Well | Sterilization | TC | Package Size          |
|----------------|------------------------------|---------------|----------------------------|----------------------|---------------|----|-----------------------|
| GS01-0006      | Cell culture plate, 6 wells  | 38.6          | 1.9-2.9ml                  | 9.5cm <sup>2</sup>   | +             | +  | 1/pack, 50 packs/case |
| GS01-0012      | Cell culture plate, 12 wells | 21.8          | 0.76-1.14ml                | 3.8cm <sup>2</sup>   | +             | +  | 1/pack, 50 packs/case |
| GS01-0024      | Cell culture plate, 24 wells | 15.6          | 0.38-0.57ml                | 1.9cm <sup>2</sup>   | +             | +  | 1/pack, 50 packs/case |
| GS01-0048      | Cell culture plate, 48 wells | 10.5          | 0.19-0.285ml               | 0.95cm <sup>2</sup>  | +             | +  | 1/pack, 50 packs/case |
| GS01-0096      | Cell culture plate, 96 wells | 6.8           | 0.1-0.2ml                  | 0.32cm <sup>2</sup>  | +             | +  | 1/pack, 50 packs/case |

## Cell Culture Dish



### Product Introduction

The product is made of optically clear, virgin polystyrene. The culture surface is specially treated to achieve optimal cell adhesion performance, promoting robust attachment across diverse cell types and ensuring exceptional experimental outcomes. It is currently available in four standard sizes: 35 mm, 60 mm, 100 mm, and 150 mm (diameter).

### Key Features

- ▶ **Spill-resistant design:** A drip containment ring on the inner lid prevents liquid spillage during handling.
- ▶ **Enhanced gas exchange:** Four raised nodes on the inner lid ring and grooved support bars on the serrated lid ensure consistent gas exchange during cell culture.
- ▶ **Secure handling:** Non-slip serrated grip rings on the dish base ensure ergonomic control during sample manipulation.
- ▶ **Stackable design:** Interlocking stacking rings on lids and bases simplify storage and transportation.
- ▶ **Orientation markers:** Numeric quadrant labels (3/6/9/12) on the dish base facilitate precise sample tracking and positioning.
- ▶ **Certified purity:** Free of pyrogens, endotoxins, DNase, and RNase; Sterilized to SAL  $10^{-6}$ .

### Ordering Information

| Catalog Number | Description              | Recommended Working Volume | Growth Area         | Sterilization | Package Size           |
|----------------|--------------------------|----------------------------|---------------------|---------------|------------------------|
| GS02-0035      | Cell Culture Dish, 35mm  | 2-3ml                      | 8.8cm <sup>2</sup>  | +             | 10/pack, 50 packs/case |
| GS02-0060      | Cell Culture Dish, 60mm  | 4-6ml                      | 21.5cm <sup>2</sup> | +             | 10/pack, 50 packs/case |
| GS02-0100      | Cell Culture Dish, 100mm | 10-14ml                    | 56.7cm <sup>2</sup> | +             | 10/pack, 30packs/case  |
| GS02-0150      | Cell Culture Dish, 150mm | 25-35ml                    | 145cm <sup>2</sup>  | +             | 10/pack, 12packs/case  |



## Cell Culture Flask



### Product Introduction

The product is made of optically clear, virgin polystyrene. The treated culture surface ensures optimal cell adhesion performance, promoting robust attachment across diverse cell types and delivering exceptional experimental consistency. It is available in four standard sizes: 25 cm<sup>2</sup>, 75 cm<sup>2</sup>, 175 cm<sup>2</sup>, and 225 cm<sup>2</sup> (growth area), with options for sealed caps or vented caps.

### Ordering Information

- ▶ Two types of lids are available: sealed lids and breathable lids.
- ▶ Vented cap design: 0.22 µm hydrophobic vent membrane blocks microbes with maintained airflow.
- ▶ Sealed cap innovation: Dual-indicator switch enables semi-open or fully closed culture modes.
- ▶ Matte-finished writing areas on both sides of the neck enhance sample tracking and identification.
- ▶ Stackable design: Interlocking rings on the bottle base and back streamline storage and transport.
- ▶ Ergonomic angled neck: Optimizes accessibility for pipettes or cell scrapers, expanding operational flexibility.
- ▶ Volume graduations: Dual-sided scale markings facilitate real-time media level monitoring.
- ▶ Certified purity: Free of pyrogens, endotoxins, DNase, and RNase enzymes; Sterilized to SAL 10<sup>-6</sup>.

### Ordering Information

| Catalog Number | Description                         | Optimal Culture Volume | Growth Area        | Sterilization | TC | Package Size           |
|----------------|-------------------------------------|------------------------|--------------------|---------------|----|------------------------|
| GS03-2500      | T25 cell culture flask, Filter cap  | 7.5ml                  | 25cm <sup>2</sup>  | +             | +  | 10/pack, 20 packs/case |
| GS03-7500      | T75 cell culture flask, Filter cap  | 25ml                   | 75cm <sup>2</sup>  | +             | +  | 5/pack, 20 packs/case  |
| GS03-1750      | T175 cell culture flask, Filter cap | 50ml                   | 175cm <sup>2</sup> | +             | +  | 5/pack, 10 packs/case  |
| GS03-2250      | T225 cell culture flask, Filter cap | 70ml                   | 225cm <sup>2</sup> | +             | +  | 5/pack, 5 packs/case   |
| GS03-2501      | T25 cell culture flask, Solid cap   | 7.5ml                  | 25cm <sup>2</sup>  | +             | +  | 10/pack, 20 packs/case |
| GS03-7501      | T75 cell culture flask, Solid cap   | 25ml                   | 75cm <sup>2</sup>  | +             | +  | 5/pack, 20 packs/case  |
| GS03-1751      | T175 cell culture flask, Solid cap  | 50ml                   | 175cm <sup>2</sup> | +             | +  | 5/pack, 10 packs/case  |
| GS03-2251      | T225 cell culture flask, Solid cap  | 70ml                   | 225cm <sup>2</sup> | +             | +  | 5/pack, 5 packs/case   |

# Shake Flask



## Product Introduction

The product is made of durable PC (polycarbonate) or PETG (polyethylene terephthalate glycol), designed for the preparation and storage of culture media and compatibility with diverse cultivation techniques. It provides enhanced safety over traditional glass culture flasks during shaker-based cultivation, minimizing breakage risks. Available in seven standardized capacity configurations: 125 mL, 250 mL, 500 mL, 1000 mL, 1500 mL, 3000 mL, and 5000 mL.

## Key Features

- ▶ Individually packaged: Ensures easy access and prevents cross-contamination.
- ▶ Vented cap design: Facilitates optimal gas exchange, enabling higher cell density cultivation.
- ▶ Smooth inner surface: Minimizes unintended cell adhesion for consistent suspension culture.
- ▶ SBS-compliant neck dimensions: Compatible with automated bioreactor interfaces for rapid assembly.
- ▶ High-precision graduations with clear markings for accurate liquid level estimation.
- ▶ Certified free of pyrogens, endotoxins, and DNase/RNase; Sterilized to SAL 10<sup>-6</sup>.

## Ordering Information

| Catalog Number | Description         | Lid Type   | Material | Sterilization | Package Size          |
|----------------|---------------------|------------|----------|---------------|-----------------------|
| GF01-0125      | Shake Flask, 125ml  | Vented Cap | PC       | +             | 1/pack, 24 packs/case |
| GF01-0250      | Shake Flask, 250ml  | Vented Cap | PC       | +             | 1/pack, 12packs/case  |
| GF01-0500      | Shake Flask, 500ml  | Vented Cap | PC       | +             | 1/pack, 12packs/case  |
| GF01-1000      | Shake Flask, 1000ml | Vented Cap | PC       | +             | 1/pack, 12packs/case  |
| GF01-1500      | Shake Flask, 1500ml | Vented Cap | PC       | +             | 1/pack, 10 packs/case |
| GF01-3000      | Shake Flask, 3000ml | Vented Cap | PC       | +             | 1/pack, 4 packs/case  |
| GF01-5000      | Shake Flask, 5000ml | Vented Cap | PC       | +             | 1/pack, 4 packs/case  |
| GF02-0125      | Shake Flask, 125ml  | Vented Cap | PETG     | +             | 1/pack, 24 packs/case |
| GF02-0250      | Shake Flask, 250ml  | Vented Cap | PETG     | +             | 1/pack, 12 packs/case |
| GF02-0500      | Shake Flask, 500ml  | Vented Cap | PETG     | +             | 1/pack, 12 packs/case |
| GF02-1000      | Shake Flask, 1000ml | Vented Cap | PETG     | +             | 1/pack, 12 packs/case |



## Cell Strainers



### Product Introduction

The product is constructed from a medical-grade polypropylene frame integrated with a nylon filtration membrane. It can be used with flow cytometers to prepare single cell suspensions for flow cytometry, and can also be used to extract primary cells from tissues. They can also be used to extract primary cells from tissues.

### Key Features

- ▶ Individually packaged: Ensures sterility and storage convenience.
- ▶ Color-coded frames (blue/green/yellow): Enable quick type differentiation.
- ▶ Flared rim design: Facilitates aseptic handling with forceps or gloved hands.
- ▶ Stackable design: Layered filters with multiple pore sizes enable graded cell separation.
- ▶ Compatibility: Designed for standard 50ml conical tubes to streamline workflows.
- ▶ Certified purity: Pyrogen-free, endotoxin-free, DNase/RNase-free; Sterilized to SAL 10<sup>-6</sup>

### Ordering Information

| Catalog Number | Description              | Mesh aperture | Color  | Sterilization | Package Size          |
|----------------|--------------------------|---------------|--------|---------------|-----------------------|
| CS04-0040      | Cell Strainers, 300 mesh | 40µm          | Blue   | +             | 1/pack, 50 packs/case |
| CS04-0070      | Cell Strainers, 200 mesh | 70µm          | White  | +             | 1/pack, 50 packs/case |
| CS04-0100      | Cell Strainers, 160 mesh | 100µm         | Yellow | +             | 1/pack, 50 packs/case |

# Serological Pipette



## Product Introduction

The product is made of optically clear, virgin polystyrene. Rigorous quality standards and user-centric design make these pipettes an ideal choice for laboratory workflows, enabling precise measurement and transfer of liquid volumes. Available in six standard capacities: 1ml, 2ml, 5ml, 10ml, 25ml, and 50ml.

## Key Features

- ▶ Individually paper-plastic packaged: Ensures sterility and convenient storage.
- ▶ Color-coded volume rings: Distinctive colored bands for quick capacity identification.
- ▶ Dual-scale graduations: Forward and reverse markings for accurate aspiration and dispensing control.
- ▶ Negative graduations: Extend pipetting range and accommodate larger volume transfers.
- ▶ Polyethylene (PE) filter plugs: Prevent aerosol contamination and leakage during use.
- ▶ Certified purity: Free of pyrogens, endotoxins, DNase, and RNase; Sterilized to SAL 10<sup>-6</sup>.

## Ordering Information

| Catalog Number | Description                | Minimum graduation | Sterilization | Package Size           |
|----------------|----------------------------|--------------------|---------------|------------------------|
| GP03-0001      | 1ml Pipette Yellow Label   | 0.01ml             | +             | 50/pack, 10 packs/case |
| GP03-0002      | 2ml Pipette, Green Label   | 0.02ml             | +             | 50/pack, 10 packs/case |
| GP03-0005      | 5ml Pipette, Blue Label    | 0.1ml              | +             | 50/pack, 4 packs/case  |
| GP03-0010      | 10ml Pipette, Orange Label | 0.1ml              | +             | 50/pack, 4 packs/case  |
| GP03-0025      | 25ml Pipette, Red Label    | 0.2ml              | +             | 25/pack, 8packs/case   |
| GP03-0050      | 50ml Pipette, purple Label | 0.5ml              | +             | 25/pack, 4 packs/case  |

## Centrifuge Tube



### Product Introduction

This product is manufactured from transparent high-polymer polypropylene and sterilized to meet stringent experimental requirements for cell culture, microbiological studies, and molecular biology sample processing. It provides a safer alternative to conventional glassware, delivering precision while minimizing operational risks. Available in two standard volumes: 15 mL and 50 mL.

### Key Features

- ▶ Maximum Centrifugal Force:  $9,000 \times g$  /  $12,000 \times g$ .
- ▶ Temperature Resistance:  $-80^{\circ}\text{C}$  to  $121^{\circ}\text{C}$ .
- ▶ Unique threaded cap ensures superior sealing to prevent liquid leakage.
- ▶ Clear, high-definition printed scales for accurate measurement.
- ▶ White writing area for easy sample identification.
- ▶ Free of pyrogens, endotoxins, and DNase/RNase; Sterilized to SAL  $10^{-6}$ .

### Ordering Information

| Catalog Number | Description                                              | Tube bottom type (including cap, mm) | Height | Sterilization | Package Size          |
|----------------|----------------------------------------------------------|--------------------------------------|--------|---------------|-----------------------|
| GC01-0150      | 15ml Centrifuge Tube, $9,000 \times g$ , Bulk            | Cone bottom                          | 123    | +             | 25/pack, 20packs/case |
| GC01-0151      | 15ml Centrifuge Tube, $9,000 \times g$ , Rack            | Cone bottom                          | 123    | +             | 25/pack, 20packs/case |
| GC01-0500      | 50ml Centrifuge Tube, $9,000 \times g$ , Bulk            | Cone bottom                          | 120    | +             | 25/pack, 20packs/case |
| GC01-0501      | 50ml Centrifuge Tube, $9,000 \times g$ , Rack            | Cone bottom                          | 120    | +             | 25/pack, 20packs/case |
| GC01-1150      | 15ml Centrifuge Tube, $12,000 \times g$ , Bulk           | Cone bottom                          | 120    | +             | 25/pack, 20packs/case |
| GC01-1151      | 15ml Centrifuge Tube, $12,000 \times g$ , Rack           | Cone bottom                          | 120    | +             | 25/pack, 20packs/case |
| GC01-1500      | 50ml Centrifuge Tube, $12,000 \times g$ , Bulk           | Cone bottom                          | 116    | +             | 25/pack, 20packs/case |
| GC01-1501      | 50ml Centrifuge Tube, $12,000 \times g$ , Rack           | Cone bottom                          | 116    | +             | 25/pack, 20packs/case |
| GC02-1525      | Centrifuge Tube Rack, 28 Wells for 15 ml and 50 ml Tubes | -                                    | -      | -             | 100/case              |
| GC02-5025      | Centrifuge Tube Rack, 50 Wells for 15 ml and 50 ml Tubes | -                                    | -      | -             | 100/case              |

## Cryogenic Tubes



### Product Introduction

The product is manufactured from transparent polypropylene (PP) polymer, suitable for long-term storage of biological samples under ultra-low temperature conditions or in liquid nitrogen containers. Currently available in three capacities: 1ml, 1.8ml, and 4.5ml, with cap closure options: internal thread or external thread designs.

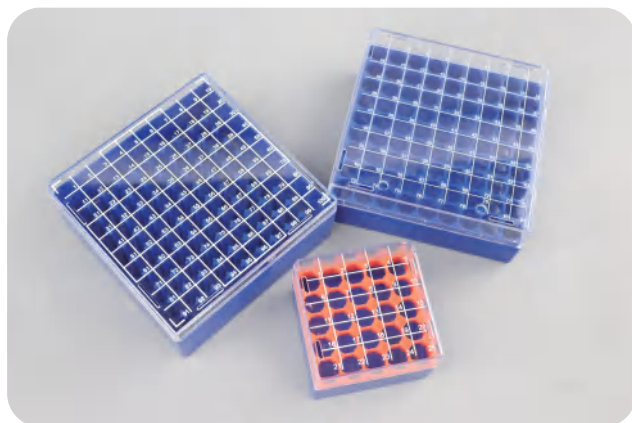
### Key Features

- ▶ Temperature tolerance range: -196°C to 121°C;
- ▶ Screw-threaded caps with a unique design for enhanced leak-proof performance;
- ▶ Graduated markings and labeling areas on the tube wall for sample identification;
- ▶ Non-pyrogenic, endotoxin-free, and free from DNase/RNase contamination;
- ▶ Sterilized to SAL10<sup>-6</sup>.

### Ordering Information

| Catalog Number | Description                                 | Height<br>(including cap, mm) | Sterilization | Package Size            |
|----------------|---------------------------------------------|-------------------------------|---------------|-------------------------|
| GD01-0010N     | 1ml Cryogenic Tubes, Internal thread cap    | 40                            | +             | 100/pack, 20 packs/case |
| GD01-0010      | 1ml Cryogenic Tubes, External thread cap    | 35                            | +             | 100/pack, 20 packs/case |
| GD01-0020N     | 1.8ml Cryogenic Tubes , Internal thread cap | 48                            | +             | 100/pack, 20 packs/case |
| GD01-0020      | 1.8ml Cryogenic Tubes, External thread cap  | 48                            | +             | 100/pack, 20 packs/case |
| GD01-0050N     | 4.5ml Cryogenic Tubes , Internal thread cap | 90                            | +             | 100/pack, 20 packs/case |
| GD01-0050      | 4.5ml Cryogenic Tubes, External thread cap  | 89                            | +             | 100/pack, 20 packs/case |

## Cryogenic Box



### Product Introduction

Constructed from polycarbonate (PC) or high-density cardboard, these cryogenic storage boxes are designed for low-temperature preservation in liquid nitrogen tanks or ultra-low temperature freezers.

### Key Features

- ▶ Durable PC Storage boxes: Ideal for short- or long-term cryogenic storage.
- ▶ Cardboard Storage boxes: Cost-effective solution for temporary storage.
- ▶ Each PC box lid incorporates alphanumeric grid labels (e.g., A1-H12) for precise inventory tracking and location logging.
- ▶ Notched corners on PC boxes ensure secure lid placement and precision alignment during handling.
- ▶ Integrated pressure-equalizing holes allow rapid liquid nitrogen infiltration during freezing and safe vapor release during retrieval, minimizing thermal shock risks.

### Ordering Information

| Catalog Number | Description                        | Package Size |
|----------------|------------------------------------|--------------|
| GD03-0505      | Cryogenic Box, 1.2/2mL PC;5×5      | 100/case     |
| GD03-0909      | Cryogenic Box, 1.2/2mL PC;9×9      | 50/case      |
| GD03-1010      | Cryogenic Box, 1.2/2mL PC;10×10    | 50/case      |
| GD05-0505      | Cryogenic Box, 1.2/2mL papery; 5×5 | 50/case      |
| GD05-0707      | Cryogenic Box, 5mL papery; 7×7     | 50/case      |
| GD05-0909      | Cryogenic Box,1.2/2mL papery; 9×9  | 50/case      |

## Programed Cryopreservation Container



### Product Introduction

Constructed with a polycarbonate (PC) chamber body and high-density polyethylene (HDPE) lid and tube rack, this cryogenic freezing container incorporates a foam liner to achieve a controlled cooling rate of 1°C per minute, significantly enhancing the survival rate of cryopreserved cells. When removed from the freezer, the foam liner and isopropyl alcohol ensure gradual temperature recovery, making it suitable for both cell freezing and thawing processes.

### Key Features

- ▶ Accommodates 12–18 cryovials per container.
- ▶ Graphical usage instructions and graduation markers printed on the chamber for intuitive operation.
- ▶ Internal tube rack prevents direct contact between vials and alcohol, eliminating risks of contamination, label detachment, or residue on tubes.
- ▶ Compatible with room-temperature storage when cooling functionality is not required.

### Operation Manual



1. 拧开冻存盒；2. 抽出支架；3. 加入异丙醇；4. 支架放回冻存盒中；5. 放入冻存管；6. 拧好盖子放入-80℃冰箱保存4H。

### Ordering Information

| Catalog Number | Description                                                                         | Package Size |
|----------------|-------------------------------------------------------------------------------------|--------------|
| GD02-0020      | Programed Cryopreservation Container, 18 wells, compatible with 2ml Cryogenic Tubes | 1/case       |
| GD02-0050      | Programed Cryopreservation Container, 12-well, compatible with 5ml Cryogenic Tubes  | 1/case       |



## Square Media Bottles



### Product Introduction

Crafted from PET or PETG materials, this product delivers exceptional low-temperature resistance, making it ideal for the storage and transport of reagents such as serum, media, and buffers in pharmaceutical, diagnostic, and biotechnology applications. Available Sizes: PETG Media Bottles: 30ml, 60ml, 125ml, 250ml, 500ml, 1000ml. PET Bottles: 125ml, 250ml, 500ml, 1000ml.

### Key Features

- ▶ Space-efficient square design optimizes storage and shipping space in cold environments.
- ▶ Temperature resistance: -80°C to 70°C.
- ▶ Leak-proof performance: Specially designed caps ensure a secure seal with bottle necks.
- ▶ High clarity: Transparent PET/PETG material enables easy visual inspection of contents.
- ▶ Precision graduations: Laser-etched markings for accurate volume estimation.
- ▶ Non-pyrogenic, endotoxin-free, and sterilized to SAL 10<sup>-6</sup>.
- ▶ Manufactured in a Class 100,000 cleanroom with single-step injection molding for consistency.
- ▶ Full biocompatibility documentation and strict lot-to-lot consistency controls.

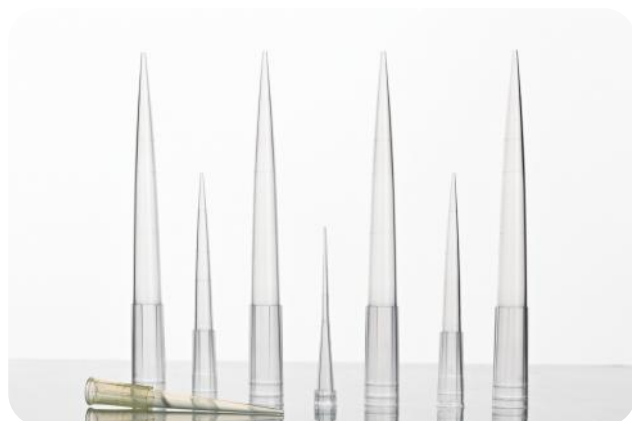
### Ordering Information

| Catalog Number | Description                       | Material | Sterilization | Package Size          |
|----------------|-----------------------------------|----------|---------------|-----------------------|
| GH02-0030      | 30ml Square Media Bottles, PETG   | PETG     | +             | 40/pack, 5 packs/case |
| GH02-0060      | 60ml Square Media Bottles, PETG   | PETG     | +             | 72/pack, 2 packs/case |
| GH02-0125      | 125ml Square Media Bottles, PETG  | PETG     | +             | 25/pack, 4 packs/case |
| GH02-0250      | 250ml Square Media Bottles, PETG  | PETG     | +             | 30/pack, 2 packs/case |
| GH02-0500      | 500ml Square Media Bottles, PETG  | PETG     | +             | 24/pack, 2 packs/case |
| GH02-1000      | 1000ml Square Media Bottles, PETG | PETG     | +             | 24/pack, 2 packs/case |
| GH03-0125      | 125ml Square Media Bottles, PET   | PET      | +             | 24/pack, 4 packs/case |
| GH03-0250      | 250ml Square Media Bottles, PET   | PET      | +             | 30/pack, 2 packs/case |
| GH03-0500      | 500ml Square Media Bottles, PET   | PET      | +             | 24/pack, 2 packs/case |
| GH03-1000      | 1000ml Square Media Bottles, PET  | PET      | +             | 12/pack, 2 packs/case |
| GH03-0125-02   | 125ml Square Media Bottles, PET   | PET      | +             | 4/pack, 24 packs/case |
| GH03-0500-02   | 250ml Square Media Bottles, PET   | PET      | +             | 4/pack, 12 packs/case |
| GH03-1000-02   | 500ml Square Media Bottles, PET   | PET      | +             | 4/pack, 6 packs/case  |
| GH03-0125-01   | 125ml Square Media Bottles, PET   | PET      | +             | 1/pack, 96 packs/case |
| GH03-0250-01   | 250ml Square Media Bottles, PET   | PET      | +             | 1/pack, 60 packs/case |
| GH03-0500-01   | 500ml Square Media Bottles, PET   | PET      | +             | 1/pack, 48 packs/case |
| GH03-1000-01   | 1000ml Square Media Bottles, PET  | PET      | +             | 1/pack, 24 packs/case |



Liquid Handling

## Universal pipette tip



### Product Introduction

Crafted from transparent polypropylene (PP) polymer, this product is designed for precise liquid handling in research laboratories. Compatible with single-channel or multi-channel pipettes, the racked packaging is optimized for workflows (e.g., cell culture, microbial culture) and sensitive applications like PCR to prevent cross-contamination. Pre-sterilized and ready-to-use, no additional autoclaving required.

### Key Features

- ▶ Standardized dimensions ensure compatibility with most commercial pipettes.
- ▶ Available capacities: 10µl, 20µl, 50µl, 100µl, 200µl, 1000µl, 5ml, 10ml.
- ▶ Innovative design ensures flexibility, airtight sealing, and chemical compatibility with aqueous and viscous solutions.
- ▶ Autoclavable (up to 121°C) while retaining optical clarity, dimensional stability, and pipetting accuracy.

### Ordering Information

| Catalog Number | Description                                 | Sterilization | Package Size              |
|----------------|---------------------------------------------|---------------|---------------------------|
| GT-10          | 10µl Pipette Tip, Bulk                      | -             | 1000/pack, 10 packs /case |
| GT01-0010      | 10µl Pipette Tip, Extra-long, Bulk          | -             | 1000/pack, 10 packs /case |
| GT01-0200      | 200µl Pipette Tip, Extra-long, Bulk         | -             | 1000/pack, 10 packs /case |
| GT01-0200Y     | 200µl Pipette Tip, Yellow, Extra-long, Bulk | -             | 1000/pack, 10 packs /case |
| GT01-1000      | 1000µl Pipette Tip, Extra-long, Bulk        | -             | 1000/pack, 10 packs /case |
| GT01-1000B     | 1000µl Pipette Tip, Blue, Extra-long, Bulk  | -             | 1000/pack, 10 packs /case |

| Catalog Number | Description                                   | Sterilization | Package Size              |
|----------------|-----------------------------------------------|---------------|---------------------------|
| GT-1250B       | 1250µl Pipette Tip, Blue, Bulk                | -             | 1000/pack, 10 packs /case |
| GT-5000        | 5ml Pipette Tip, Bulk                         | -             | 100/pack, 10 packs /case  |
| GT-5000A       | 5ml Pipette Tip, Bulk                         | -             | 100/pack, 10 packs /case  |
| GT-10000       | 10ml Pipette Tip, Bulk                        | -             | 100/pack, 10 packs /case  |
| GT-10000A      | 10ml Pipette Tip, Bulk                        | -             | 100/pack, 10 packs /case  |
| GTF-1000       | 1000ul Filtered Pipette Tip, Bulk             | -             | 1000/pack, 10 packs /case |
| GTF-10000      | 10ml Filtered Pipette Tip, Bulk               | -             | 100/pack, 10 packs /case  |
| GT-10-S        | 10µl Pipette Tip, Rack                        | +             | 96/box, 50 boxes/case     |
| GT02-0010      | 10µl Pipette Tip, Extra-long, Rack            | +             | 96/box, 50 boxes/case     |
| GT02-0200      | 200µl Pipette Tip, Extra-long, Rack           | +             | 96/box, 50 boxes/case     |
| GT02-0200Y     | 200µl Pipette Tip Yellow Extra-long,Rack      | +             | 96/box, 50 boxes/case     |
| GT02-1000      | 1000µl Pipette Tip Extra-long, Rack           | +             | 96/box, 50 boxes/case     |
| GT02-1000B     | 1000µl Pipette Tip, Blue, Extra-long, Rack    | +             | 96/box, 50 boxes/case     |
| GT-1250B-S     | 1250µl Pipette Tip, Blue, Rack                | +             | 96/box, 50 boxes/case     |
| GT-5000-S      | 5ml Pipette Tip, Rack                         | +             | 40/box, 30 boxes/case     |
| GT-5000A-S     | 5ml Pipette Tip, Rack                         | +             | 24/box, 30 boxes/case     |
| GT-10000A-S    | 10ml Pipette Tip, Rack                        | +             | 24/box, 30 boxes/case     |
| GT-10000-S     | 10ml Pipette Tip, Rack                        | +             | 24/box, 30 boxes/case     |
| GT04-0010      | Refill Pipette Tip, 10ul, Extra-long          | +             | 96*10/box, 10 boxes/case  |
| GT04-0200Y     | Refill Pipette Tip, Yellow, 200ul, Extra-long | +             | 96*10/box, 10 boxes/case  |
| GT04-1000B     | Refill Pipette Tip, Blue, 1000ul, Extra-long, | +             | 96*5/box, 10 boxes/case   |
| GT04-0010-01   | Refill Pipette Tip, 10ul, Extra-long,         | +             | 96*5/box, 14 boxes/case   |
| GT04-0200Y-01  | Refill Pipette Tip, Yellow, 200ul, Extra-long | +             | 96*5/box, 14 boxes/case   |
| GTF-10-S       | 10µl Filtered Pipette Tip, Rack               | +             | 96/box, 50 boxes/case     |
| GT03-0010      | 10µl Filtered Pipette Tip, Extra-long, Rack   | +             | 96/box, 50 boxes/case     |
| GT03-0020      | 20µl Filtered Pipette Tip, Rack               | +             | 96/box, 50 boxes/case     |
| GT03-0050      | 50µl Filtered Pipette Tip, Rack               | +             | 96/box, 50 boxes/case     |
| GT03-0100      | 100µl Filtered Pipette Tip, Rack              | +             | 96/box, 50 boxes/case     |
| GT03-0200      | 200µl Filtered Pipette Tip, Rack              | +             | 96/box, 50 boxes/case     |
| GTF-300-S      | 300µl Filtered Pipette Tip, Rack              | +             | 96/box, 50 boxes/case     |
| GTF-1250-S     | 1250µl Filtered Pipette Tip, Rack             | +             | 96/box, 50 boxes/case     |

| Catalog Number | Description                                                      | Sterilization | Package Size              |
|----------------|------------------------------------------------------------------|---------------|---------------------------|
| GT03-1000      | 1000µl Filtered Pipette Tip , Rack                               | +             | 96/box, 50 boxes/case     |
| GTF-5000-S     | 5ml Filtered Pipette Tip, Rack                                   | +             | 40/box, 30 boxes/case     |
| GTF-5000A-S    | 5ml Filtered Pipette Tip, Rack                                   | +             | 24/box, 30 boxes/case     |
| GTF-10000A-S   | 10ml Filtered Pipette Tip, Rack                                  | +             | 24/box, 30 boxes/case     |
| GTF-10000-S    | 10ml Filtered Pipette Tip, Rack                                  | +             | 24/box, 30 boxes/case     |
| GT05-0010      | 10µl Pipette Tip Extra-long, Bulk, Ultra-low attachment          | -             | 1000/pack, 10 packs /case |
| GT05-0200      | 200µl Pipette Tip Extra-long, Bulk, Ultra-low attachment         | -             | 1000/pack, 10 packs /case |
| GT05-1000      | 1000µl Pipette Tip Extra-long, Bulk, Ultra-low attachment        | -             | 1000/pack, 10 packs /case |
| GT06-0010      | 10µl Pipette Tip Extra-long, Rack, Ultra-low attachment          | +             | 96/box, 50 boxes/case     |
| GT06-0200      | 200µl Pipette Tip Extra-long, Rack, Ultra-low attachment         | +             | 96/box, 50 boxes/case     |
| GT06-1000      | 1000µl Pipette Tip Extra-long, Rack, Ultra-low attachment        | +             | 96/box, 50 boxes/case     |
| GT07-0010      | 10µl Filtered Pipette Tip Extra-long, Rack, Ultra-low attachment | +             | 96/box, 50 boxes/case     |
| GT07-0200      | 200µl Filtered Pipette Tip, Rack, Ultra-low attachment           | +             | 96/box, 50 boxes/case     |
| GT07-1000      | 1000µl Filtered Pipette Tip, Rack, Ultra-low attachment          | +             | 96/box, 50 boxes/case     |
| GTFL-1250-S    | 1250µl Filtered Pipette Tip, Rack, Ultra-low attachment          | +             | 96/box, 50 boxes/case     |

## Pipette tip box

| Catalog Number | Description                                          | Package Size |
|----------------|------------------------------------------------------|--------------|
| TK10           | Pipette tip box,Compatible with 10µl pipette tips    | 50/case      |
| TK200          | Pipette tip box,Compatible with 200µl pipette tips   | 50/case      |
| TK1000         | Pipette tip box,Compatible with 1000µl pipette tips  | 50/case      |
| TK1250         | Pipette tip box,Compatible with 1250µl pipette tips  | 50/case      |
| TK5000         | Pipette tip box,Compatible with 5mL narrow bore tips | 30/case      |
| TK5000A        | Pipette tip box,Compatible with 5mL wide bore tips   | 30/case      |
| TK10000        | Pipette tip box,Compatible with 10ml pipette tips    | 30/case      |

## RN pipette tip



### Product Introduction

The product is made of imported polypropylene (PP) material and complies with USP CLASSVI, ISO10993, European Pharmacopoeia, DMF code information. They are suitable for Rainin's LTS pipette tip series. Currently available: 20μl, 200μl, 300μl, 1000μl, 1200μl.

### Key Features

- ▶ Integrated filters prevent cross-contamination by blocking aerosol formation during pipetting.
- ▶ Precision-molded with ultra-smooth inner surfaces for accuracy, seal integrity, and compatibility across pipette brands.
- ▶ Proprietary mold design and advanced injection molding technology ensure consistent batch-to-batch quality, airtight sealing, and universal pipette adaption.
- ▶ High-clarity material with laser-etched graduations for easy volume verification.
- ▶ Non-pyrogenic, endotoxin-free, DNase/RNase-free, and sterilized to SAL 10<sup>-6</sup>.

### Ordering Information

| Catalog Number | Description                           | Sterilization | Package Size          |
|----------------|---------------------------------------|---------------|-----------------------|
| GT08-0020      | RN Pipette Tip, 20ul, Rack            | +             | 96/box, 50 boxes/case |
| GT08-0200      | RN Pipette Tip, 200ul, Rack           | +             | 96/box, 50 boxes/case |
| GT08-0300      | RN Pipette Tip, 300ul, Rack           | +             | 96/box, 40 boxes/case |
| GT08-1000      | RN Pipette Tip, 1000ul, Rack          | +             | 96/box, 40 boxes/case |
| GT08-1200      | RN Pipette Tip, 1200ul, Rack          | +             | 96/box, 40 boxes/case |
| GT09-0020      | RN Filtered Pipette Tip, 20ul, Rack   | +             | 96/box, 50 boxes/case |
| GT09-0200      | RN Filtered Pipette Tip, 200ul, Rack  | +             | 96/box, 50 boxes/case |
| GT09-0300      | RN Filtered Pipette Tip, 300ul, Rack  | +             | 96/box, 40 boxes/case |
| GT09-1000      | RN Filtered Pipette Tip, 1000ul, Rack | +             | 96/box, 40 boxes/case |
| GT09-1200      | RN Filtered Pipette Tip, 1200ul, Rack | +             | 96/box, 40 boxes/case |







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## Screw Cap Micro Tubes



### Product Introduction

The product is made of imported polypropylene (PP) material, also known as screw cap tubes, and is a laboratory container for storing and transporting samples. With excellent sealing effect, they are suitable for containing radioactive, infectious or expensive substances, and can also be used as reaction containers for thermal stress or for long-term storage. Currently available in three different sizes: 0.5ml, 1.5ml, 2.0ml.

### Key Features

- ▶ Max Centrifugal force: 20,000×g.
- ▶ Temperature Resistance: -80°C to 121°C.
- ▶ Seal Validation: Complies with ADR & IATA standards, tested to 90kPa negative pressure.
- ▶ Stable flat base design ensures upright placement on laboratory surfaces.
- ▶ Knurled Caps with special rack compatibility allow single-handed tightening.
- ▶ DNase/RNase-free and non-pyrogenic.

### Ordering Information

| Catalog Number | Description                                                                   | Sterilization | Package Size            |
|----------------|-------------------------------------------------------------------------------|---------------|-------------------------|
| GY01-0005      | Screw Cap Micro Tubes, 0.5ml, Self Standing, Detachable Cap, Clear            | -             | 100/pack, 10 packs/case |
| GY01-0015      | Screw Cap Micro Tubes, 1.5ml, Self Standing, Detachable Cap, Clear            | -             | 100/pack, 10 packs/case |
| GY01-0020      | Screw Cap Micro Tubes, 2.0ml, Self Standing, Detachable Cap, Clear            | -             | 100/pack, 10 packs/case |
| GY01-0005-R    | Screw Cap Micro Tubes, 0.5ml, Self Standing, Detachable Cap, Clear, Red cap   | -             | 100/pack, 10 packs/case |
| GY01-0015-R    | Screw Cap Micro Tubes, 1.5ml, Self Standing, Detachable Cap, Clear, Red cap   | -             | 100/pack, 10 packs/case |
| GY01-0020-R    | Screw Cap Micro Tubes, 2.0ml, Self Standing, Detachable Cap, Clear, Red Cap   | -             | 100/pack, 10 packs/case |
| GY01-0005-G    | Screw Cap Micro Tubes, 0.5ml, Self Standing, Detachable Cap, Clear, Green Cap | -             | 100/pack, 10 packs/case |
| GY01-0015-G    | Screw Cap Micro Tubes, 1.5ml, Self Standing, Detachable Cap, Clear, Green Cap | -             | 100/pack, 10 packs/case |
| GY01-0020-G    | Screw Cap Micro Tubes, 2.0ml, Self Standing, Detachable Cap, Clear, Green Cap | -             | 100/pack, 10 packs/case |
| GY02-0005      | Screw Cap Micro Tubes, 0.5ml, Self Standing, Detachable Cap, Brown            | -             | 100/pack, 10 packs/case |
| GY02-0015      | Screw Cap Micro Tubes, 1.5ml, Self Standing, Detachable Cap, Brown            | -             | 100/pack, 10 packs/case |
| GY02-0020      | Screw Cap Micro Tubes, 2.0ml, Self Standing, Detachable Cap, Brown            | -             | 100/pack, 10 packs/case |

## Graduated Microcentrifuge Tube



### Key Features

- ▶ Colour options: Clear or amber (light protection for photo-sensitive samples)
- ▶ Temperature range: -80°C to 121°C
- ▶ Attached cap: Allows one-handed operation and repeated use
- ▶ Graduated markings on tube body for accurate volume measurement
- ▶ Frosted writing area for labelling and experimental notes
- ▶ Non-pyrogenic, endotoxin and DNase/RNase free
- ▶ Sterilised to SAL 10<sup>-6</sup>.

### Product Introduction

The product is made of transparent polymer polypropylene, mainly used for small amount of sample storage, transfer, centrifugal operation, etc. The design of push-flat lid is easy to open and close. Currently available in five sizes: 0.6ml, 1.5ml, 2ml, 5ml, 10ml.

### Ordering Information

| Catalog Number | Description                                                | Bottom | Color | Sterilization | Package Size            |
|----------------|------------------------------------------------------------|--------|-------|---------------|-------------------------|
| GC01-0006      | 0.6ml Graduated Microcentrifuge Tube                       | Cone   | Clear | -             | 1000/pack, 10packs/case |
| GC01-0006B     | 0.6ml Graduated Microcentrifuge Tube                       | Cone   | Brown | -             | 1000/pack, 10packs/case |
| GC01-0015      | 1.5ml Graduated Microcentrifuge Tube                       | Cone   | Clear | -             | 500/pack, 10packs/case  |
| GC01-0015-S    | 1.5ml Graduated Microcentrifuge Tube                       | Cone   | Clear | +             | 500/pack, 10packs/case  |
| GC01-0015B     | 1.5ml Graduated Microcentrifuge Tube                       | Cone   | Brown | -             | 500/pack, 10packs/case  |
| GCL01-0015     | 1.5ml Graduated Microcentrifuge Tube, Ultra-low attachment | Cone   | Clear | -             | 500/pack, 10packs/case  |
| GCL01-0015-S   | 1.5ml Graduated Microcentrifuge Tube, Ultra-low attachment | Cone   | Clear | +             | 500/pack, 10packs/case  |
| GC01-0020      | 2.0ml Graduated Microcentrifuge Tube                       | Cone   | Clear | -             | 500/pack, 10packs/case  |
| GC01-0020-S    | 2.0ml Graduated Microcentrifuge Tube                       | Cone   | Clear | +             | 500/pack, 10packs/case  |
| GC01-0050      | 5.0ml Graduated Microcentrifuge Tube, W/Cap                | Round  | Clear | -             | 200/pack, 10packs/case  |
| GC01-0050-S    | 5.0ml Graduated Microcentrifuge Tube, W/Cap                | Round  | Clear | +             | 200/pack, 10packs/case  |
| GC01-0100      | 10.0ml Graduated Microcentrifuge Tube, W/Cap               | Round  | Clear | -             | 100/pack, 10packs/case  |
| GC01-0100-S    | 10.0ml Graduated Microcentrifuge Tube, W/Cap               | Round  | Clear | +             | 100/pack, 10packs/case  |
| GC02-0096S     | Centrifuge Tube Rack, 96 Wells for 0.6ml /1.5ml/2ml Tubes  | -      | -     | -             | 1/pack                  |

## Microporous Filter Membrane



### Product Introduction

Microporous Filter Membrane includes Nylon, Polyethersulfone (PES), Mixed Cellulose (MCE), Polytetrafluoroethylene (PTFE) and Polyvinylidene Fluoride (PVDF) materials. Mainly used for sample analysis, especially chromatographic analysis of mobile phase and sample filtration, to protect the chromatographic column and infusion pump piping system and injection valves, etc. from contamination has a good role, has been widely used in gravimetric analysis, micro-analysis, colloid separation and aseptic experiments.

### Key Features

- ▶ Membrane size: diameter 47mm, 50mm.
- ▶ Pore size: 0.22μm, 0.45μm.
- ▶ Nylon, PES, MCE and PTFE are available.
- ▶ sterile products sterilized validity SAL 10<sup>-6</sup>.

### Ordering Information

| Catalog Number | Description                                              | Pore size | Membrane size | Sterilization | Package Size |
|----------------|----------------------------------------------------------|-----------|---------------|---------------|--------------|
| GE-F5021       | PES Microporous Filter Membrane, hydrophilic             | 0.22μm    | 50mm          | -             | 50/box       |
| GE-F5022       | PES Microporous Filter Membrane, hydrophilic             | 0.45μm    | 50mm          | -             | 50/box       |
| GE-F5023       | MCE Microporous Filter Membrane, Yellow Backing Plate    | 0.22μm    | 50mm          | -             | 50/box       |
| GE-F5024       | MCE Microporous Filter Membrane, Green Backing Plate     | 0.45μm    | 50mm          | -             | 50/box       |
| GE-F5025       | Nylon 66 Microporous Filter Membrane, Pink Backing Plate | 0.22μm    | 50mm          | -             | 50/box       |
| GE-F5026       | Nylon 66 Microporous Filter Membrane, Blue Backing Plate | 0.45μm    | 50mm          | -             | 50/box       |
| GE-F5027       | PTFE Microporous Filter Membrane                         | 0.22μm    | 50mm          | -             | 50/box       |
| GE-F5028       | PTFE Microporous Filter Membrane                         | 0.45μm    | 50mm          | -             | 50/box       |
| GE-F5023-1S    | MCE Microporous Filter Membrane, White                   | 0.22μm    | 47mm          | +             | 200/box      |
| GE-F5023-2S    | MCE Microporous Filter Membrane, Black Grid              | 0.22μm    | 47mm          | +             | 200/box      |
| GE-F5024-1S    | MCE Microporous Filter Membrane, White                   | 0.45μm    | 47mm          | +             | 200/box      |
| GE-F5024-2S    | MCE Microporous Filter Membrane, Black Grid              | 0.45μm    | 47mm          | +             | 200/box      |

## Syringe Filters



### Product Introduction

Syringe Filters are available in Nylon, polyethersulfone (PES), polyvinylidene fluoride (PVDF), polytetrafluoroethylene (PTFE), and mixed cellulose ester (MCE) materials. Designed for use with disposable syringes, these filters eliminate the need for membrane replacement or filter cleaning. They are primarily employed for small-volume sample filtration, with extensive applications in life sciences for sterilizing filtration of biological samples such as proteins, buffers, and pharmaceutical solutions, ensuring a sterility assurance level (SAL) of  $10^{-6}$  for sterile products.

### Key Features

- ▶ Precision-engineered structure ensures smooth filtration flow
- ▶ Optimized internal geometry minimizes residual volume
- ▶ Threaded edges provide anti-slip functionality
- ▶ Standardized Luer fittings ensure compatibility with various syringes
- ▶ Diameter options: 13 mm, 25 mm
- ▶ Pore sizes: 0.22  $\mu\text{m}$ , 0.45  $\mu\text{m}$

### Ordering Information

| Catalog Number | Description                   | Pore size          | Membrane size | Sterilization | Package Size |
|----------------|-------------------------------|--------------------|---------------|---------------|--------------|
| GA01-1302      | Syringe Filters, Nylon, Green | 0.22 $\mu\text{m}$ | 13mm          | -             | 100/box      |
| GA01-1303      | Syringe Filters, Nylon, White | 0.45 $\mu\text{m}$ | 13mm          | -             | 100/box      |
| GA01-1305      | Syringe Filters, PES, Yellow  | 0.22 $\mu\text{m}$ | 13mm          | -             | 100/box      |
| GA01-1306      | Syringe Filters, PES, Blue    | 0.45 $\mu\text{m}$ | 13mm          | -             | 100/box      |
| GA01-1308      | Syringe Filters, PVDF, Pink   | 0.22 $\mu\text{m}$ | 13mm          | -             | 100/box      |
| GA01-1309      | Syringe Filters, PVDF, Purple | 0.45 $\mu\text{m}$ | 13mm          | -             | 100/box      |
| GA01-1311      | Syringe Filters, PTFE, Red    | 0.22 $\mu\text{m}$ | 13mm          | -             | 100/box      |
| GA01-1312      | Syringe Filters, PTFE, Orange | 0.45 $\mu\text{m}$ | 13mm          | -             | 100/box      |



| Catalog Number | Description                   | Pore size | Membrane size | Sterilization | Package Size |
|----------------|-------------------------------|-----------|---------------|---------------|--------------|
| GA01-2502      | Syringe Filters, Nylon, Green | 0.22um    | 25mm          | -             | 100/box      |
| GA01-2503      | Syringe Filters, Nylon, White | 0.45um    | 25mm          | -             | 100/box      |
| GA01-2505      | Syringe Filters, PES, Yellow  | 0.22um    | 25mm          | -             | 100/box      |
| GA01-2506      | Syringe Filters, PES, Blue    | 0.45um    | 25mm          | -             | 100/box      |
| GA01-2508      | Syringe Filters, PVDF, Pink   | 0.22um    | 25mm          | -             | 100/box      |
| GA01-2509      | Syringe Filters, PVDF, Purple | 0.45um    | 25mm          | -             | 100/box      |
| GA01-2511      | Syringe Filters, PTFE, Red    | 0.22um    | 25mm          | -             | 100/box      |
| GA01-2512      | Syringe Filters, PTFE, Orange | 0.45um    | 25mm          | -             | 100/box      |
| GA02-1302      | Syringe Filters, Nylon, Green | 0.22um    | 13mm          | +             | 100/box      |
| GA02-1303      | Syringe Filters, Nylon, White | 0.45um    | 13mm          | +             | 100/box      |
| GA02-1305      | Syringe Filters, PES, Yellow  | 0.22um    | 13mm          | +             | 100/box      |
| GA02-1306      | Syringe Filters, PES, Blue    | 0.45um    | 13mm          | +             | 100/box      |
| GA02-1308      | Syringe Filters, PVDF, Pink   | 0.22um    | 13mm          | +             | 100/box      |
| GA02-1309      | Syringe Filters, PVDF, Purple | 0.45um    | 13mm          | +             | 100/box      |
| GA02-1311      | Syringe Filters, PTFE, Red    | 0.22um    | 13mm          | +             | 100/box      |
| GA02-1312      | Syringe Filters, PTFE, Orange | 0.45um    | 13mm          | +             | 100/box      |
| GA02-2502      | Syringe Filters, Nylon, Green | 0.22um    | 25mm          | +             | 50/box       |
| GA02-2503      | Syringe Filters, Nylon, White | 0.45um    | 25mm          | +             | 50/box       |
| GA02-2505      | Syringe Filters, PES, Yellow  | 0.22um    | 25mm          | +             | 50/box       |
| GA02-2506      | Syringe Filters, PES, Blue    | 0.45um    | 25mm          | +             | 50/box       |
| GA02-2508      | Syringe Filters, PVDF, Pink   | 0.22um    | 25mm          | +             | 50/box       |
| GA02-2509      | Syringe Filters, PVDF, Purple | 0.45um    | 25mm          | +             | 50/box       |
| GA02-2511      | Syringe Filters, PTFE, Red    | 0.22um    | 25mm          | +             | 50/box       |
| GA02-2512      | Syringe Filters, PTFE, Orange | 0.45um    | 25mm          | +             | 50/box       |

# Transfer Pipets



## Product Introduction

The product is manufactured from low-density polyethylene (LDPE), primarily designed for aspiration, transfer, and transportation operations involving small liquid volumes.

## Key Features

- ▶ Individually paper-plastic packaged
- ▶ Dual-sided graduated markings on tube body facilitate precise volume measurement
- ▶ Excellent flexibility allows controlled bending within specific angular parameters to access micro-volume or irregularly shaped containers for liquid handling
- ▶ Certified pyrogen-free, endotoxin-free, and DNase/RNase-free
- ▶ Validated to achieve sterilization assurance level (SAL) 10<sup>-6</sup>

## 订购信息

| Catalog Number | Description         | Sterilization | Package Size         |
|----------------|---------------------|---------------|----------------------|
| GP02-1001      | 1ml Transfer Pipets | +             | 120/pack, 5pack/case |
| GP02-1003      | 3ml Transfer Pipets | +             | 100/pack, 5pack/case |
| GP02-1005      | 5ml Transfer Pipets | +             | 120/pack, 5pack/case |

## Reagent Reservoir



### Product Introduction

The product is constructed from high-grade modified polystyrene, specifically designed for reagent containment during transfer operations, compatible with both single-channel and multi-channel pipettes.

### Key Features

- ▶ Single-channel V-bottom design facilitates complete sample retrieval
- ▶ Extra-wide base enhances stability of specimen troughs
- ▶ Certified pyrogen-free with validated sterilization assurance level (SAL)  $10^{-6}$

### Ordering Information

| Catalog Number | Description                                                   | Sterilization | Package Size |
|----------------|---------------------------------------------------------------|---------------|--------------|
| GP02-2001      | 25ml Reagent Reservoir, Sterile , White, Individually Package | +             | 100/case     |
| GP02-2002      | 50ml Reagent Reservoir, Sterile , White, Individually Package | +             | 130/case     |

## Reagent Bottle



### Product Introduction

The products are made of PP or HDPE, with strong compression, impact and acid resistance, suitable for storing, transporting or packaging liquids. PP is resistant to high temperature of 121°C to meet the requirements of high temperature and high pressure sterilization treatment, and HDPE is resistant to low temperature of -80°C. Wide mouth and Narrow Mouth Reagent Bottle are available, and the sterilizing validity of sterile products is SAL 10<sup>-6</sup>.

### Key Features

- ▶ Wide-mouth design facilitates liquid filling while minimizing vortex formation during dispensing
- ▶ Leak-proof neck geometry eliminates the need for inner caps or liners, ensuring hermetic sealing
- ▶ Available in transparent and amber variants; amber option provides effective light protection
- ▶ Semi-translucent PP construction enables visual monitoring of internal liquid levels

## Ordering Information

| Catalog Number | Description                                        | Sterilization | Package Size           |
|----------------|----------------------------------------------------|---------------|------------------------|
| GE01-02-0008   | 8ml Wide-Mouth Reagent Bottle, PP, Transplant      | -             | 20/pack, 20 packs/case |
| GE01-02-0015   | 15ml Wide-Mouth Reagent Bottle, PP,Transplant      | -             | 20/pack, 20 packs/case |
| GE01-02-0030   | 30ml Wide-Mouth Reagent Bottle, PP,Transplant      | -             | 10/pack, 20 packs/case |
| GE01-02-0060   | 60ml Wide-Mouth Reagent Bottle, PP,Transplant      | -             | 10/pack, 20 packs/case |
| GE01-02-0125   | 125ml Wide-Mouth Reagent Bottle, PP, Transplant    | -             | 10/pack, 20 packs/case |
| GE01-02-0250   | 250ml Wide-Mouth Reagent Bottle, PP,Transplant     | -             | 10/pack, 10 packs/case |
| GE01-02-0500   | 500ml Wide-Mouth Reagent Bottle, PP,Transplant     | -             | 5/pack, 10 packs/case  |
| GE01-02-1000   | 1000ml Wide-Mouth Reagent Bottle, PP,Transplant    | -             | 3/pack, 9 packs/case   |
| GE11-02-0008   | 8ml Wide-Mouth Reagent Bottle, Brown, PP           | -             | 20/pack, 20 packs/case |
| GE11-02-0015   | 15ml Wide-Mouth Reagent Bottle, Brown, PP          | -             | 20/pack, 20 packs/case |
| GE11-02-0030   | 30ml Wide-Mouth Reagent Bottle, Brown, PP          | -             | 10/pack, 20 packs/case |
| GE11-02-0060   | 60ml Wide-Mouth Reagent Bottle, Brown, PP          | -             | 10/pack, 20 packs/case |
| GE11-02-0125   | 125ml Wide-Mouth Reagent Bottle, Brown, PP         | -             | 10/pack, 20 packs/case |
| GE11-02-0250   | 250ml Wide-Mouth Reagent Bottle, Brown, PP         | -             | 10/pack, 10 packs/case |
| GE11-02-0500   | 500ml Wide-Mouth Reagent Bottle, Brown, PP         | -             | 5/pack, 10 packs/case  |
| GE11-02-1000   | 1000ml Wide-Mouth Reagent Bottle, Brown, PP        | -             | 3/pack, 9 packs/case   |
| GE02-02-0008   | 8ml Wide-Mouth Reagent Bottle, HDPE, Transplant    | -             | 20/pack, 20 packs/case |
| GE02-02-0015   | 15ml Wide-Mouth Reagent Bottle, HDPE, Transplant   | -             | 20/pack, 20 packs/case |
| GE02-02-0030   | 30ml Wide-Mouth Reagent Bottle, HDPE, Transplant   | -             | 10/pack, 20 packs/case |
| GE02-02-0060   | 60ml Wide-Mouth Reagent Bottle, HDPE, Transplant   | -             | 10/pack, 20 packs/case |
| GE02-02-0125   | 125ml Wide-Mouth Reagent Bottle, HDPE, Transplant  | -             | 10/pack, 20 packs/case |
| GE02-02-0250   | 250ml Wide-Mouth Reagent Bottle, HDPE, Transplant  | -             | 10/pack, 10 packs/case |
| GE02-02-0500   | 500ml Wide-Mouth Reagent Bottle, HDPE, Transplant  | -             | 5/pack, 10 packs/case  |
| GE02-02-1000   | 1000ml Wide-Mouth Reagent Bottle, HDPE, Transplant | -             | 3/pack, 9 packs/case   |
| GE12-02-0008   | 8ml Wide-Mouth Reagent Bottle, Brown, HDPE         | -             | 20/pack, 20 packs/case |
| GE12-02-0015   | 15ml Wide-Mouth Reagent Bottle, Brown, HDPE        | -             | 20/pack, 20 packs/case |
| GE12-02-0030   | 30ml Wide-Mouth Reagent Bottle, Brown, HDPE        | -             | 10/pack, 20 packs/case |
| GE12-02-0060   | 60ml Wide-Mouth Reagent Bottle, Brown, HDPE        | -             | 10/pack, 20 packs/case |
| GE12-02-0125   | 125ml Wide-Mouth Reagent Bottle, Brown, HDPE       | -             | 10/pack, 20 packs/case |
| GE12-02-0250   | 250ml Wide-Mouth Reagent Bottle, Brown, HDPE       | -             | 10/pack, 10 packs/case |
| GE12-02-0500   | 500ml Wide-Mouth Reagent Bottle, Brown, HDPE       | -             | 5/pack, 10 packs/case  |
| GE12-02-1000   | 1000ml Wide-Mouth Reagent Bottle, Brown, HDPE      | -             | 3/pack, 9 packs/case   |

| Catalog Number | Description                                        | Sterilization | Package Size            |
|----------------|----------------------------------------------------|---------------|-------------------------|
| GE01-0008      | 8ml Wide-Mouth Reagent Bottle, PP, Transplant      | -             | 150/pack, 10 packs/case |
| GE01-0015      | 125ml Wide-Mouth Reagent Bottle, PP, Transplant    | -             | 120/pack, 10 packs/case |
| GE01-0030      | 30ml Wide-Mouth Reagent Bottle, PP, Transplant     | -             | 100/pack, 10 packs/case |
| GE01-0060      | 60ml Wide-Mouth Reagent Bottle, PP, Transplant     | -             | 100/pack, 10 packs/case |
| GE01-0125      | 125ml Wide-Mouth Reagent Bottle, PP, Transplant    | -             | 50/pack, 10 packs/case  |
| GE01-0250      | 250ml Wide-Mouth Reagent Bottle, PP, Transplant    | -             | 25/pack, 10 packs/case  |
| GE01-0500      | 500ml Wide-Mouth Reagent Bottle, PP, Transplant    | -             | 12/pack, 10 packs/case  |
| GE01-1000      | 1000ml Wide-Mouth Reagent Bottle, PP, Transplant   | -             | 9/pack, 10 packs/case   |
| GE11-0008      | 8ml Wide-Mouth Reagent BottleBrown, PP             | -             | 150/pack, 10 packs/case |
| GE11-0015      | 15ml Wide-Mouth Reagent Bottle, Brown, PP          | -             | 120/pack, 10 packs/case |
| GE11-0030      | 30ml Wide-Mouth Reagent Bottle, Brown, PP          | -             | 100/pack, 10 packs/case |
| GE11-0060      | 60ml Wide-Mouth Reagent Bottle, Brown, PP          | -             | 100/pack, 10 packs/case |
| GE11-0125      | 125ml Wide-Mouth Reagent Bottle, Brown, PP         | -             | 50/pack, 10 packs/case  |
| GE11-0250      | 250ml Wide-Mouth Reagent Bottle, Brown, PP         | -             | 25/pack, 10 packs/case  |
| GE11-0500      | 500ml Wide-Mouth Reagent Bottle, Brown, PP         | -             | 12/pack, 10 packs/case  |
| GE11-1000      | 1000ml Wide-Mouth Reagent Bottle, Brown,PP         | -             | 9/pack, 10 packs/case   |
| GE02-0008      | 8ml Wide-Mouth Reagent Bottle, HDPE, Transplant    | -             | 150/pack, 10 packs/case |
| GE02-0015      | 15ml Wide-Mouth Reagent Bottle, HDPE, Transplant   | -             | 120/pack, 10 packs/case |
| GE02-0030      | 30ml Wide-Mouth Reagent Bottle, HDPE, Transplant   | -             | 100/pack, 10 packs/case |
| GE02-0060      | 60ml Wide-Mouth Reagent Bottle, HDPE, Transplant   | -             | 100/pack, 10 packs/case |
| GE02-0125      | 125ml Wide-Mouth Reagent Bottle, HDPE, Transplant  | -             | 50/pack, 10 packs/case  |
| GE02-0250      | 250ml Wide-Mouth Reagent Bottle, HDPE, Transplant  | -             | 25/pack, 10 packs/case  |
| GE02-0500      | 500ml Wide-Mouth Reagent Bottle, HDPE, Transplant  | -             | 12/pack, 10 packs/case  |
| GE02-1000      | 1000ml Wide-Mouth Reagent Bottle, HDPE, Transplant | -             | 9/pack, 10 packs/case   |
| GE12-0008      | 8mlWide-Mouth Reagent Bottle, Brown, HDPE          | -             | 150/pack, 10 packs/case |
| GE12-0015      | 15ml Wide-Mouth Reagent Bottle, Brown, HDPE        | -             | 120/pack, 10 packs/case |
| GE12-0030      | 30ml Wide-Mouth Reagent Bottle, Brown, HDPE        | -             | 100/pack, 10 packs/case |
| GE12-0060      | 60ml Wide-Mouth Reagent Bottle, Brown, HDPE        | -             | 100/pack, 10 packs/case |
| GE12-0125      | 125ml Wide-Mouth Reagent Bottle, Brown, HDPE       | -             | 50/pack, 10 packs/case  |
| GE12-0250      | 250ml Wide-Mouth Reagent Bottle, Brown, HDPE       | -             | 25/pack, 10 packs/case  |
| GE12-0500      | 500ml Wide-Mouth Reagent Bottle, Brown, HDPE       | -             | 12/pack, 10 packs/case  |
| GE12-1000      | 1000ml Wide-Mouth Reagent Bottle, Brown, HDPE      | -             | 9/pack, 10 packs/case   |



| Catalog Number | Description                                                 | Sterilization | Package Size            |
|----------------|-------------------------------------------------------------|---------------|-------------------------|
| GE01-0008S     | 8ml Wide-Mouth Reagent Bottle, PP, Transplant, Sterile      | +             | 150/pack, 10 packs/case |
| GE01-0015S     | 15ml Wide-Mouth Reagent Bottle, PP, Transplant, Sterile     | +             | 120/pack, 10 packs/case |
| GE01-0030S     | 30ml Wide-Mouth Reagent Bottle, PP, Transplant, Sterile     | +             | 100/pack, 10 packs/case |
| GE01-0060S     | 60ml Wide-Mouth Reagent Bottle, PP, Transplant, Sterile     | +             | 100/pack, 10 packs/case |
| GE01-0125S     | 125ml Wide-Mouth Reagent Bottle, PP, Transplant, Sterile    | +             | 50/pack, 10 packs/case  |
| GE01-0250S     | 250ml Wide-Mouth Reagent Bottle, PP, Transplant, Sterile    | +             | 25/pack, 10 packs/case  |
| GE01-0500S     | 500ml Wide-Mouth Reagent Bottle, PP, Transplant, Sterile    | +             | 12/pack, 10 packs/case  |
| GE01-1000S     | 1000ml Wide-Mouth Reagent Bottle, PP, Transplant, Sterile   | +             | 9/pack, 10 packs/case   |
| GE11-0008S     | 8ml Wide-Mouth Reagent Bottle, Brown, PP, Sterile           | +             | 150/pack, 10 packs/case |
| GE11-0015S     | 15ml Wide-Mouth Reagent Bottle, Brown, PP, Sterile          | +             | 120/pack, 10 packs/case |
| GE11-0030S     | 30ml Wide-Mouth Reagent Bottle, Brown, PP, Sterile          | +             | 100/pack, 10 packs/case |
| GE11-0060S     | 60ml Wide-Mouth Reagent Bottle, Brown, PP, Sterile          | +             | 100/pack, 10 packs/case |
| GE11-0125S     | 125ml Wide-Mouth Reagent Bottle, Brown, PP, Sterile         | +             | 50/pack, 10 packs/case  |
| GE11-0250S     | 250ml Wide-Mouth Reagent Bottle, Brown, PP, Sterile         | +             | 25/pack, 10 packs/case  |
| GE11-0500S     | 500ml Wide-Mouth Reagent Bottle, Brown, PP, Sterile         | +             | 12/pack, 10 packs/case  |
| GE11-1000S     | 1000ml Wide-Mouth Reagent Bottle, Brown, PP, Sterile        | +             | 9/pack, 10 packs/case   |
| GE02-0008S     | 8ml Wide-Mouth Reagent Bottle, HDPE, Transplant, Sterile    | +             | 150/pack, 10 packs/case |
| GE02-0015S     | 15ml Wide-Mouth Reagent Bottle, HDPE, Transplant, Sterile   | +             | 120/pack, 10 packs/case |
| GE02-0030S     | 30ml Wide-Mouth Reagent Bottle, HDPE, Transplant, Sterile   | +             | 100/pack, 10 packs/case |
| GE02-0060S     | 60ml Wide-Mouth Reagent Bottle, HDPE, Transplant, Sterile   | +             | 100/pack, 10 packs/case |
| GE02-0125S     | 125ml Wide-Mouth Reagent Bottle, HDPE, Transplant, Sterile  | +             | 50/pack, 10 packs/case  |
| GE02-0250S     | 250ml Wide-Mouth Reagent Bottle, HDPE, Transplant, Sterile  | +             | 25/pack, 10 packs/case  |
| GE02-0500S     | 500ml Wide-Mouth Reagent Bottle, HDPE, Transplant, Sterile  | +             | 12/pack, 10 packs/case  |
| GE02-1000S     | 1000ml Wide-Mouth Reagent Bottle, HDPE, Transplant, Sterile | +             | 9/pack, 10 packs/case   |
| GE12-0008S     | 8ml Wide-Mouth Reagent Bottle, Brown, HDPE, Sterile         | +             | 150/pack, 10 packs/case |
| GE12-0015S     | 15ml Wide-Mouth Reagent Bottle, Brown, HDPE, Sterile        | +             | 120/pack, 10 packs/case |
| GE12-0030S     | 30ml Wide-Mouth Reagent Bottle, Brown, HDPE, Sterile        | +             | 100/pack, 10 packs/case |
| GE12-0060S     | 60ml Wide-Mouth Reagent Bottle, Brown, HDPE, Sterile        | +             | 100/pack, 10 packs/case |
| GE12-0125S     | 125ml Wide-Mouth Reagent Bottle, Brown, HDPE, Sterile       | +             | 50/pack, 10 packs/case  |
| GE12-0250S     | 250ml Wide-Mouth Reagent Bottle, Brown, HDPE, Sterile       | +             | 25/pack, 10 packs/case  |
| GE12-0500S     | 500ml Wide-Mouth Reagent Bottle, Brown, HDPE, Sterile       | +             | 12/pack, 10 packs/case  |
| GE12-1000S     | 1000ml Wide-Mouth Reagent Bottle, Brown, HDPE, Sterile      | +             | 9/pack, 10 packs/case   |

| Catalog Number | Description                                     | Sterilization | Package Size            |
|----------------|-------------------------------------------------|---------------|-------------------------|
| GE03-02-0008   | 8ml Narrow-Mouth Reagent Bottle, PP             | -             | 150/pack, 10 packs/case |
| GE03-02-0015   | 15ml Narrow-Mouth Reagent Bottle, PP            | -             | 120/pack, 10 packs/case |
| GE03-02-0030   | 30ml Narrow-Mouth Reagent Bottle, PP            | -             | 100/pack, 10 packs/case |
| GE03-02-0060   | 60ml Narrow-Mouth Reagent Bottle, PP            | -             | 100/pack, 10 packs/case |
| GE03-02-0125   | 125ml Narrow-Mouth Reagent Bottle, PP           | -             | 50/pack, 10 packs/case  |
| GE03-02-0250   | 250ml Narrow-Mouth Reagent Bottle, PP           | -             | 25/pack, 10 packs/case  |
| GE03-02-0500   | 500ml Narrow-Mouth Reagent Bottle, PP           | -             | 12/pack, 10 packs/case  |
| GE03-02-1000   | 1000ml Narrow-Mouth Reagent Bottle, PP          | -             | 9/pack, 10 packs/case   |
| GE13-02-0008   | 8ml Narrow-Mouth Reagent Bottle, Brown, PP      | -             | 150/pack, 10 packs/case |
| GE13-02-0015   | 15ml Narrow-Mouth Reagent Bottle, Brown, PP     | -             | 120/pack, 10 packs/case |
| GE13-02-0030   | 30ml Narrow-Mouth Reagent Bottle, Brown, PP     | -             | 100/pack, 10 packs/case |
| GE13-02-0060   | 60ml Narrow-Mouth Reagent Bottle, Brown, PP     | -             | 100/pack, 10 packs/case |
| GE13-02-0125   | 125ml Narrow-Mouth Reagent Bottle, Brown, PP    | -             | 50/pack, 10 packs/case  |
| GE13-02-0250   | 250ml Narrow-Mouth Reagent Bottle, Brown, PP    | -             | 25/pack, 10 packs/case  |
| GE13-02-0500   | 500ml Narrow-Mouth Reagent Bottle, Brown, PP    | -             | 12/pack, 10 packs/case  |
| GE13-02-1000   | 1000ml Narrow-Mouth Reagent Bottle, Brown, PP   | -             | 9/pack, 10 packs/case   |
| GE04-02-0008   | 8ml Narrow-Mouth Reagent Bottle, HDPE           | -             | 150/pack, 10 packs/case |
| GE04-02-0015   | 15ml Narrow-Mouth Reagent Bottle, HDPE          | -             | 120/pack, 10 packs/case |
| GE04-02-0030   | 30ml Narrow-Mouth Reagent Bottle, HDPE          | -             | 100/pack, 10 packs/case |
| GE04-02-0060   | 60ml Narrow-Mouth Reagent Bottle, HDPE          | -             | 100/pack, 10 packs/case |
| GE04-02-0125   | 125ml Narrow-Mouth Reagent Bottle, HDPE         | -             | 50/pack, 10 packs/case  |
| GE04-02-0250   | 250ml Narrow-Mouth Reagent Bottle, HDPE         | -             | 25/pack, 10 packs/case  |
| GE04-02-0500   | 500ml Narrow-Mouth Reagent Bottle, HDPE         | -             | 12/pack, 10 packs/case  |
| GE04-02-1000   | 1000ml Narrow-Mouth Reagent Bottle, HDPE        | -             | 9/pack, 10 packs/case   |
| GE14-02-0008   | 8ml Narrow-Mouth Reagent Bottle, Brown, HDPE    | -             | 150/pack, 10 packs/case |
| GE14-02-0015   | 15ml Narrow-Mouth Reagent Bottle, Brown, HDPE   | -             | 120/pack, 10 packs/case |
| GE14-02-0030   | 30ml Narrow-Mouth Reagent Bottle, Brown, HDPE   | -             | 100/pack, 10 packs/case |
| GE14-02-0060   | 60ml Narrow-Mouth Reagent Bottle, Brown, HDPE   | -             | 100/pack, 10 packs/case |
| GE14-02-0125   | 125ml Narrow-Mouth Reagent Bottle, Brown, HDPE  | -             | 50/pack, 10 packs/case  |
| GE14-02-0250   | 250ml Narrow-Mouth Reagent Bottle, Brown, HDPE  | -             | 25/pack, 10 packs/case  |
| GE14-02-0500   | 500ml Narrow-Mouth Reagent Bottle, Brown, HDPE  | -             | 12/pack, 10 packs/case  |
| GE14-02-1000   | 1000ml Narrow-Mouth Reagent Bottle, Brown, HDPE | -             | 9/pack, 10 packs/case   |

| Catalog Number | Description                                     | Sterilization | Package Size            |
|----------------|-------------------------------------------------|---------------|-------------------------|
| GE03-0008      | 8ml Narrow-Mouth Reagent Bottle, PP             | -             | 150/pack, 10 packs/case |
| GE03-0015      | 15ml Narrow-Mouth Reagent Bottle, PP            | -             | 120/pack, 10 packs/case |
| GE03-0030      | 30ml Narrow-Mouth Reagent Bottle, PP            | -             | 100/pack, 10 packs/case |
| GE03-0060      | 60ml Narrow-Mouth Reagent Bottle, PP            | -             | 100/pack, 10 packs/case |
| GE03-0125      | 125ml Narrow-Mouth Reagent Bottle, PP           | -             | 50/pack, 10 packs/case  |
| GE03-0250      | 250ml Narrow-Mouth Reagent Bottle, PP           | -             | 25/pack, 10 packs/case  |
| GE03-0500      | 500ml Narrow-Mouth Reagent Bottle, PP           | -             | 12/pack, 10 packs/case  |
| GE03-1000      | 1000ml Narrow-Mouth Reagent Bottle, PP          | -             | 9/pack, 10 packs/case   |
| GE13-0008      | 8ml Narrow-Mouth Reagent Bottle, Brown, PP      | -             | 150/pack, 10 packs/case |
| GE13-0015      | 15ml Narrow-Mouth Reagent Bottle, Brown, PP     | -             | 120/pack, 10 packs/case |
| GE13-0030      | 30ml Narrow-Mouth Reagent Bottle, Brown, PP     | -             | 100/pack, 10 packs/case |
| GE13-0060      | 60ml Narrow-Mouth Reagent Bottle, Brown, PP     | -             | 100/pack, 10 packs/case |
| GE13-0125      | 125ml Narrow-Mouth Reagent Bottle, Brown, PP    | -             | 50/pack, 10 packs/case  |
| GE13-0250      | 250ml Narrow-Mouth Reagent Bottle, Brown, PP    | -             | 25/pack, 10 packs/case  |
| GE13-0500      | 500ml Narrow-Mouth Reagent Bottle, Brown, PP    | -             | 12/pack, 10 packs/case  |
| GE13-1000      | 1000ml Narrow-Mouth Reagent Bottle, Brown, PP   | -             | 9/pack, 10 packs/case   |
| GE04-0008      | 8ml Narrow-Mouth Reagent Bottle, HDPE           | -             | 150/pack, 10 packs/case |
| GE04-0015      | 15ml Narrow-Mouth Reagent Bottle, HDPE          | -             | 120/pack, 10 packs/case |
| GE04-0030      | 30ml Narrow-Mouth Reagent Bottle, HDPE          | -             | 100/pack, 10 packs/case |
| GE04-0060      | 60ml Narrow-Mouth Reagent Bottle, HDPE          | -             | 100/pack, 10 packs/case |
| GE04-0125      | 125ml Narrow-Mouth Reagent Bottle, HDPE         | -             | 50/pack, 10 packs/case  |
| GE04-0250      | 250ml Narrow-Mouth Reagent Bottle, HDPE         | -             | 25/pack, 10 packs/case  |
| GE04-0500      | 500ml Narrow-Mouth Reagent Bottle, HDPE         | -             | 12/pack, 10 packs/case  |
| GE04-1000      | 1000ml Narrow-Mouth Reagent Bottle, HDPE        | -             | 9/pack, 10 packs/case   |
| GE14-0008      | 8ml Narrow-Mouth Reagent Bottle, Brown, HDPE    | -             | 150/pack, 10 packs/case |
| GE14-0015      | 15ml Narrow-Mouth Reagent Bottle, Brown, HDPE   | -             | 120/pack, 10 packs/case |
| GE14-0030      | 30ml Narrow-Mouth Reagent Bottle, Brown, HDPE   | -             | 100/pack, 10 packs/case |
| GE14-0060      | 60ml Narrow-Mouth Reagent Bottle, Brown, HDPE   | -             | 100/pack, 10 packs/case |
| GE14-0125      | 125ml Narrow-Mouth Reagent Bottle, Brown, HDPE  | -             | 50/pack, 10 packs/case  |
| GE14-0250      | 250ml Narrow-Mouth Reagent Bottle, Brown, HDPE  | -             | 25/pack, 10 packs/case  |
| GE14-0500      | 500ml Narrow-Mouth Reagent Bottle, Brown, HDPE  | -             | 12/pack, 10 packs/case  |
| GE14-1000      | 1000ml Narrow-Mouth Reagent Bottle, Brown, HDPE | -             | 9/pack, 10 packs/case   |

| Catalog Number | Description                                              | Sterilization | Package Size            |
|----------------|----------------------------------------------------------|---------------|-------------------------|
| GE03-0008S     | 8ml Narrow-Mouth Reagent Bottle, PP, Sterile             | +             | 150/pack, 10 packs/case |
| GE03-0015S     | 15ml Narrow-Mouth Reagent Bottle, PP, Sterile            | +             | 120/pack, 10 packs/case |
| GE03-0030S     | 30ml Narrow-Mouth Reagent Bottle, PP, Sterile            | +             | 100/pack, 10 packs/case |
| GE03-0060S     | 60ml Narrow-Mouth Reagent Bottle, PP, Sterile            | +             | 100/pack, 10 packs/case |
| GE03-0125S     | 125ml Narrow-Mouth Reagent Bottle, PP, Sterile           | +             | 50/pack, 10 packs/case  |
| GE03-0250S     | 250ml Narrow-Mouth Reagent Bottle, PP, Sterile           | +             | 25/pack, 10 packs/case  |
| GE03-0500S     | 500ml Narrow-Mouth Reagent Bottle, PP, Sterile           | +             | 12/pack, 10 packs/case  |
| GE03-1000S     | 1000ml Narrow-Mouth Reagent Bottle, PP, Sterile          | +             | 9/pack, 10 packs/case   |
| GE13-0008S     | 8ml Narrow-Mouth Reagent Bottle, Brown, PP, Sterile      | +             | 150/pack, 10 packs/case |
| GE13-0015S     | 15ml Narrow-Mouth Reagent Bottle, Brown, PP, Sterile     | +             | 120/pack, 10 packs/case |
| GE13-0030S     | 30ml Narrow-Mouth Reagent Bottle, Brown, PP, Sterile     | +             | 100/pack, 10 packs/case |
| GE13-0060S     | 60ml Narrow-Mouth Reagent Bottle, Brown, PP, Sterile     | +             | 100/pack, 10 packs/case |
| GE13-0125S     | 125ml Narrow-Mouth Reagent Bottle, Brown, PP, Sterile    | +             | 50/pack, 10 packs/case  |
| GE13-0250S     | 250ml Narrow-Mouth Reagent Bottle, Brown, PP, Sterile    | +             | 25/pack, 10 packs/case  |
| GE13-0500S     | 500ml Narrow-Mouth Reagent Bottle, Brown, PP, Sterile    | +             | 12/pack, 10 packs/case  |
| GE13-1000S     | 1000ml Narrow-Mouth Reagent Bottle, Brown, PP, Sterile   | +             | 9/pack, 10 packs/case   |
| GE04-0008S     | 8ml Narrow-Mouth Reagent Bottle, HDPE, Sterile           | +             | 150/pack, 10 packs/case |
| GE04-0015S     | 15ml Narrow-Mouth Reagent Bottle, HDPE, Sterile          | +             | 120/pack, 10 packs/case |
| GE04-0030S     | 30ml Narrow-Mouth Reagent Bottle, HDPE, Sterile          | +             | 100/pack, 10 packs/case |
| GE04-0060S     | 60ml Narrow-Mouth Reagent Bottle, HDPE, Sterile          | +             | 100/pack, 10 packs/case |
| GE04-0125S     | 125ml Narrow-Mouth Reagent Bottle, HDPE, Sterile         | +             | 50/pack, 10 packs/case  |
| GE04-0250S     | 250ml Narrow-Mouth Reagent Bottle, HDPE, Sterile         | +             | 25/pack, 10 packs/case  |
| GE04-0500S     | 500ml Narrow-Mouth Reagent Bottle, HDPE, Sterile         | +             | 12/pack, 10 packs/case  |
| GE04-1000S     | 1000ml Narrow-Mouth Reagent Bottle, HDPE, Sterile        | +             | 9/pack, 10 packs/case   |
| GE14-0008S     | 8ml Narrow-Mouth Reagent Bottle, Brown, HDPE, Sterile    | +             | 150/pack, 10 packs/case |
| GE14-0015S     | 15ml Narrow-Mouth Reagent Bottle, Brown, HDPE, Sterile   | +             | 120/pack, 10 packs/case |
| GE14-0030S     | 30ml Narrow-Mouth Reagent Bottle, Brown, HDPE, Sterile   | +             | 100/pack, 10 packs/case |
| GE14-0060S     | 60ml Narrow-Mouth Reagent Bottle, Brown, HDPE, Sterile   | +             | 100/pack, 10 packs/case |
| GE14-0125S     | 125ml Narrow-Mouth Reagent Bottle, Brown, HDPE, Sterile  | +             | 50/pack, 10 packs/case  |
| GE14-0250S     | 250ml Narrow-Mouth Reagent Bottle, Brown, HDPE, Sterile  | +             | 25/pack, 10 packs/case  |
| GE14-0500S     | 500ml Narrow-Mouth Reagent Bottle, Brown, HDPE, Sterile  | +             | 12/pack, 10 packs/case  |
| GE14-1000S     | 1000ml Narrow-Mouth Reagent Bottle, Brown, HDPE, Sterile | +             | 9/pack, 10 packs/case   |

## Electronic Pipette Filler



### Product Introduction

Product Name: Electronic Pipettor  
 Pipetting Speed: 50mL transfer in <10sec  
 Volume Range: 0.1–200mL ( $\pm 1\%$  CV)  
 Battery: Ni-MH 2.1V/700mAh (ISO 60086)  
 Operating Temperature: 10°C–35°C  
 Unit Weight: 190g

### Key Features

- ▶ Liquid Drainage Mode Selection: Gravity drainage mode and Speed Regulation System
- ▶ The tactile speed governor allows precise modulation of aspiration/dispensing rates through fingertip control, ensuring pipetting accuracy
- ▶ Hydrophobic Filter Protection:
- ▶ Pre-installed 0.45um hydrophobic filter membrane, Anti-backflow design protects internal mechanisms

### Ordering Information

| Catalog Number | Description                         | Package Size |
|----------------|-------------------------------------|--------------|
| 8501           | Electronic Pipette Filler 0.1-200ml | 1/box        |

## Triangular Pipette Stand



### Product Introduction

Specifically engineered for centralized storage and organized placement of pipettes, this apparatus provides effective protection against cross-contamination, mechanical impact, and operational damage caused by haphazard positioning.

### Ordering Information

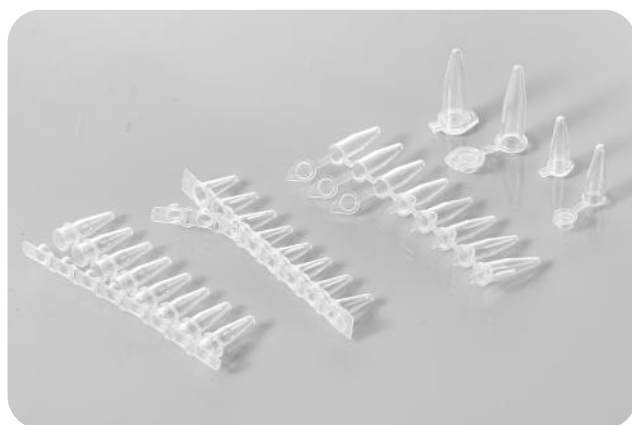
| Catalog Number | Description              | Package Size |
|----------------|--------------------------|--------------|
| GPF-1000       | Triangular Pipette Stand | 1/box        |



## Biological Testing



## PCR Tube



### Product Introduction

Made of transparent polymer polypropylene, they are widely used in (q)PCR experiments for both specialized operations and automated workflows. Currently available in single and octal tubes with 0.1 ml, 0.2 ml and 0.5 ml volumes in transparent and white colors.

### Key Features

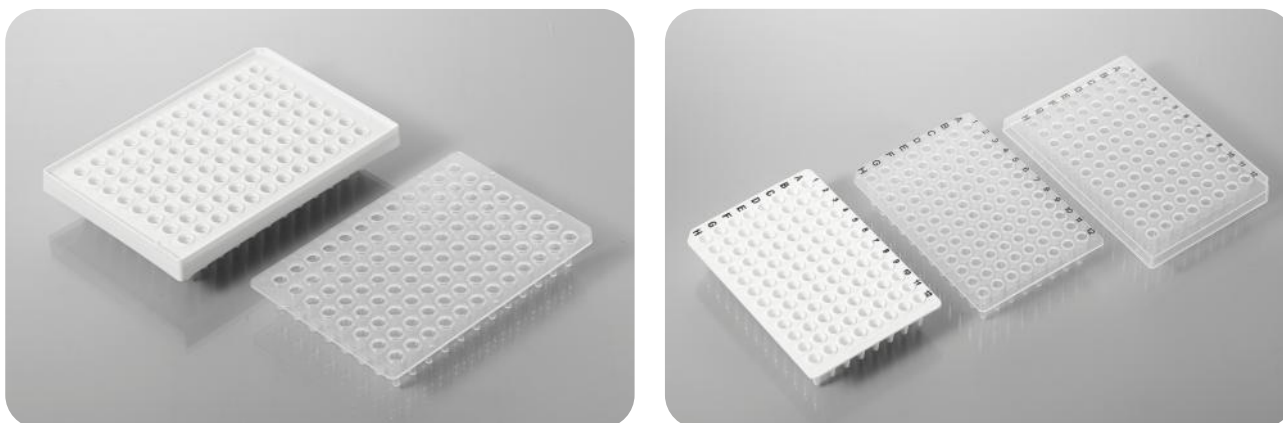
- ▶ They are suitable for 96-well heating module of standard PCR instrument;
- ▶ Tube wall is thin and uniform thickness, with excellent heat conduction effect;
- ▶ Designed with cap, good sealing, which can effectively reduce sample evaporation;
- ▶ No pyrogen, no DNA/RNA enzyme.

### Ordering Information

| Catalog Number | Description                                                       | Color  | Type      | Package Size           |
|----------------|-------------------------------------------------------------------|--------|-----------|------------------------|
| PCR-02-F       | 0.2ml PCR Tube                                                    | Clear  | Flat Caps | 1000/box, 10boxes/case |
| PCR-05-F       | 0.2ml PCR Tube                                                    | Clear  | Flat Caps | 1000/box, 10boxes/case |
| PCR-0108-F     | 0.1ml 8-strip PCR                                                 | Clear  | Flat Caps | 125/box, 10boxes/case  |
| PCR-0108W-F    | 0.1ml 8-strip PCR                                                 | White  | Flat Caps | 125/box, 10boxes/case  |
| PCR-0208-F     | 0.2ml 8-strip PCR                                                 | Clear  | Flat Caps | 125/box, 10boxes/case  |
| PCR-0208W-F    | 0.2ml 8-strip PCR                                                 | White  | Flat Caps | 125/box, 10boxes/case  |
| PCR-0096B      | PCR Tube Rack (96-Well), compatible with 0.1 mL /0.2 mL PCR tubes | Yellow | -         | 1/pack                 |



## PCR 96 Well Plate



### Product Introduction

This product is manufactured from high-molecular polypropylene, offering enhanced compatibility with repeated high-low temperature cycling during PCR reactions and supporting high-temperature/pressure sterilization. Available in non-skirted and semi-skirted configurations, with capacities of 0.1 mL and 0.2 mL, and color options of transparent or white.

### Key Features

- ▶ For 0.1mL, 0.2mL thermal cycling modules;
- ▶ Vertical letters (A-H), horizontal numbers (1-12) marking, clear marking;
- ▶ Convex rim design on the edge of the tube hole for better sealing to minimize evaporation;
- ▶ Thin tube walls with uniform wall thickness for fast heat transfer efficiency and uniform sample heating;
- ▶ No pyrogen.

### Ordering Information

| Catalog Number | Description             | Color | Type         | Package Size          |
|----------------|-------------------------|-------|--------------|-----------------------|
| PCR-01-96      | PCR 96 Well Plate,0.1ml | Clear | Non-skirted  | 10/pack, 5 packs/case |
| PCR-01-96W     | PCR 96 Well Plate,0.1ml | White | Non-skirted  | 10/pack, 5 packs/case |
| PCR-01S-96     | PCR 96 Well Plate,0.1ml | Clear | Semi-skirte  | 10/pack, 5 packs/case |
| PCR-01S-96W    | PCR 96 Well Plate,0.1ml | White | Semi-skirte  | 10/pack, 5 packs/case |
| PCR-01F-96     | PCR 96 Well Plate,0.1ml | Clear | Full-skirted | 10/pack, 5 packs/case |
| PCR-01F-96W    | PCR 96 Well Plate,0.1ml | White | Full-skirted | 10/pack, 5 packs/case |
| PCR-02-96      | PCR 96 Well Plate,0.2ml | Clear | Non-skirted  | 10/pack, 5 packs/case |
| PCR-02-96W     | PCR 96 Well Plate,0.2ml | White | Non-skirted  | 10/pack, 5 packs/case |
| PCR-02S-96     | PCR 96 Well Plate,0.2ml | Clear | Semi-skirte  | 10/pack, 5 packs/case |
| PCR-02S-96W    | PCR 96 Well Plate,0.2ml | White | Semi-skirte  | 10/pack, 5 packs/case |

## PCR 384 Well Plate



### Product Introduction

The product is made of high-molecular polypropylene, offering superior adaptability to repeated high-low temperature cycles during PCR reactions and enabling high-temperature, high-pressure sterilization. Currently available in non-skirted and semi-skirted designs, with capacities of 0.1ml and 0.2ml, and color options of transparent or white.

### Key Features

- Compatible with most 384 module PCR and sequencing instruments;
- Alphabetic (A-P) and numeric (1-24) labeling for clear marking;
- No pyrogens, no DNA/RNA enzymes

### Ordering Information

| Catalog Number | Description                      | Color | Sterilization | Package Size          |
|----------------|----------------------------------|-------|---------------|-----------------------|
| PCR-384        | PCR 384 Well Plate,Fully-skirted | Clear | -             | 10/pack, 5 packs/case |
| PCR-384W       | PCR 384 Well Plate,Fully-skirted | White | -             | 10/pack, 5 packs/case |

## PCR Sealing Film

### Product Introduction

PCR Sealer Membranes and Heat Sealer Membranes provide an effective and airtight seal for laboratory 96-well plates, helping to protect PCR samples during thermal cycling and storage.

### Ordering Information



| Catalog Number | Description                                | Color | Dimensions | Package Size |
|----------------|--------------------------------------------|-------|------------|--------------|
| SF-1002        | Fluorescence Quantitative PCR Sealing Film | Clear | 130x80mm   | 100/box      |

## Deep-Well Plate



### Key Features

- ▶ Temperature range: -80°C to 121°C;
- ▶ Numerical and alphabetical markings on the horizontal and vertical edges for easy identification of samples;
- ▶ Conforms to international standard dimensions (SBS) and is stackable for easy storage;
- ▶ Rounded bottom reduces liquid residue and tapered bottom effectively improves sample recovery;
- ▶ No DNA/RNA enzymes.

### Product Introduction

The products are made of transparent polymer polypropylene and are used for sample collection, in vitro growth chambers and laboratory fluid storage for multi-channel pipettes and automated pipetting workstations. Currently available in the following volumes: 1.2 ml square/round, 2.0 ml round, 2.2 ml square, with conical and round bases, sterile product with SAL 10<sup>-6</sup> validity, and with adaptable silicone sealing caps.

### Ordering Information

| Catalog Number    | Description                                                           | Sterilization | Package Size          |
|-------------------|-----------------------------------------------------------------------|---------------|-----------------------|
| GE-2.2-SQ-96-S    | 96-Well, Square Well with Round Bottom, 2.2 mL                        | +             | 5/pack,10 packs/case  |
| GE-2.2-SQV-96-S   | 96-Well, Square Well with Conical Bottom, 2.2 mL                      | +             | 5/pack,10 packs/case  |
| GE-2.2-SQV-96L-S  | 96-Well, Square Well with Conical Bottom, 2.2 mL, Low-Binding         | +             | 5/pack,10 packs/case  |
| GE-2.2-RD-96-S    | 96-Well, Round Well with Round Bottom, 2.0 mL                         | +             | 5/pack,10 packs/case  |
| GE-12A-96-T       | 96-Well, Square Well with Conical Bottom, 1.2 mL, Low-Binding         | -             | 10/pack,10 packs/case |
| GE-12A-96-T-NL    | 96-Well, Square Well with Conical Bottom, 1.2 mL                      | -             | 10/pack,10 packs/case |
| GE-1.2-RD-96L     | 96-Well, Round Well with Round Bottom,1.2 mL, Low-Binding             | -             | 5/pack,10 packs/case  |
| GE-1.2-RD-96      | 96-Well, Round Well with Round Bottom, 1.2 mL                         | -             | 5/pack,10 packs/case  |
| GE02-2.2-SQV-96-S | 96-Well, Square Well with Conical Bottom, 2.2 mL                      | +             | 5/pack,10 packs/case  |
| GE02-12A-96-T     | 96-Well, Square Well with Conical Bottom,1.2 mL, Low-Binding          | -             | 10/pack,10 packs/case |
| GE-M-RD-96-U      | Plastic Sealing Mat for 96-Well Round Well Deep Well Plates           | -             | 50/box                |
| GE-RD-7.3-1       | 96-Well Round Well Silicone Sealing Mat, Ø7.3 mm, Single Slit         | -             | 10/pack,5 packs/case  |
| GE-RD-7.3-10      | 96-Well Round Well Silicone Sealing Mat, Ø7.3 mm, Cross Slit          | -             | 10/pack,5packs/case   |
| GE-RD-8.5-1       | 96-Well Round Well Silicone Sealing Mat, Ø8.5 mm, Single Slit         | -             | 10/pack,5packs/case   |
| GE-RD-8.5-10      | 96-Well Round Well Silicone Sealing Mat, Ø8.5 mm, Cross Slit          | -             | 10/pack,5packs/case   |
| GE-SQ-8.5-1       | 96-Well Square Well Silicone Sealing Mat, Length: 8.4 mm, Single Slit | -             | 10/pack,5packs/case   |
| GE-SQ-8.5-10      | 96-Well Square Well Silicone Sealing Mat, Length: 8.4 mm, Cross Slit  | -             | 10/pack,5packs/case   |

## Elisa Plate



### Product Introduction

The products are made of high quality virgin polystyrene and are mainly used for protein detection after ELISA reaction, in conjunction with enzyme labeling instruments. The plates are mainly divided into removable and non-removable models, with flat bottom design and 2 colors to choose from: transparent and black. Transparent plates are suitable for quantitative and qualitative solid-phase immunoassays and binding assays, while black plates are suitable for fluorescence immunoassays and binding assays.

### Key Features

- ▶ 96-well plate, removable type for 8-well strip combination, easy to use;
- ▶ The plates are labeled with numbers and letters for easy identification of samples in different wells;
- ▶ The lid is combined with the right amount of looseness and tightness, which helps ventilation and prevents contamination or depletion of the culture medium;
- ▶ Uniform thickness within the wells and uniform size of the wells to ensure experimental accuracy;
- ▶ Higher hole edges prevent cross-contamination;
- ▶ Non-pyrogenic and free of DNA/RNA enzymes.

### Ordering Information

| Catalog Number | Description                                          | Color | Lid Option  | Package Size          |
|----------------|------------------------------------------------------|-------|-------------|-----------------------|
| GM01-96        | 96 well Elisa Plate, Fixed Flat Bottom, High Binding | Clear | Without Lid | 5/pack, 20 packs/case |
| GM01-96A       | 96 Elisa Detachable Plate, A Type                    | Clear | Without Lid | 5/pack, 20 packs/case |
| GM01-96B       | 96 Elisa Detachable Plate, A Type                    | Clear | Without Lid | 5/pack, 20 packs/case |
| GM02-96M       | 96 Elisa Detachable Plate, Black, Medium binding     | Black | With Lid    | 25/pack, 4 packs/case |
| GM02-96H       | 96 Elisa Detachable Plate, Black, High Binding       | Black | With Lid    | 25/pack, 4 packs/case |

A person wearing a white lab coat and blue nitrile gloves is operating a white and black compound microscope. The person's hands are visible, adjusting the microscope's components. The background is a soft, out-of-focus blue and white. A semi-transparent white box with a black border is overlaid on the image, containing the text "Microbiology Testing".

## Microbiology Testing



[illegible][illegible][illegible][illegible]

The background is a solid orange color. Overlaid on it is a faint, light-orange hexagonal grid pattern. Several hexagons contain small, stylized icons: a plus sign (+) on the left, a test tube with bubbles in the upper left, a heart with a pulse line in the upper right, a petri dish with a culture in the lower left, and another petri dish in the lower right. The word "GENEVER" is written in a large, bold, white, sans-serif font across the center of the image.

# GENEVER

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## Petri Dish

### Product Introduction

Product use is made of optically clear virgin polystyrene. Disposable, suitable for laboratory inoculation, scribing, and isolation of bacteria, and can be used for the cultivation of plant material. Currently available in 90mm

### Key Features

- ▶ Highly transparent, polystyrene material;
- ▶ Flat surface allows observation of cells under the microscope without optical distortion;
- ▶ Stacking design makes stacking and storage easier;
- ▶ No pyrogens, no endotoxin, no DNA/RNA enzymes, sterilization validity SAL  $10^{-6}$ .



### Ordering Information

| Catalog Number | Description      | Sterilization | Package Size          |
|----------------|------------------|---------------|-----------------------|
| GP02-3090      | Petri Dish, 90mm | +             | 10/pack, 50packs/case |

## Inoculation loops

### Product Introduction

Disposable plastic inoculation loop is suitable for microbiology laboratory bacterial plate delineation, transmission, bacterial liquid strain picking, for purification of bacterial strains.

### Key Features

- ▶ Polystyrene material;
- ▶ Individual paper-plastic packaging;
- ▶ No pyrogens, no endotoxin, no DNA/RNA enzymes, sterilization validity SAL  $10^{-6}$ .



### Ordering Information

| Catalog Number | Description             | Sterilization | Package Size           |
|----------------|-------------------------|---------------|------------------------|
| GW01-0010      | Inoculation loops, 10uL | +             | 100/pack, 30packs/case |

## L Coating Rod

### Product Introduction

Disposable plastic applicator sticks are suitable for bacterial plate coating experiments and cell culture push plate experiments.

### Key Features

- Polystyrene material;
- Individual paper-plastic packaging;
- No pyrogens, no endotoxins, no DNA/RNA enzymes, sterilization validity SAL  $10^{-6}$ .



### Ordering Information

| Catalog Number | Description            | Sterilization | Package Size           |
|----------------|------------------------|---------------|------------------------|
| GW02-0001      | L Coating Rod, plastic | +             | 100/pack, 30packs/case |

## Homogenizing Bag



### Key Features

- Composite material, transparent and flexible;
- Wide welding technology at the bottom of the bag, anti-impact, anti-rupture;
- No pyrogens, no endotoxin, no DNA/RNA enzyme, sterilization effectiveness SAL  $10^{-6}$ .

### Product Introduction

The product can be used in conjunction with a high-speed vibration sterile homogenizer to ensure that the entire sample is mixed.

### Ordering Information

| Catalog Number | Description                                       | Sterilization | Package Size            |
|----------------|---------------------------------------------------|---------------|-------------------------|
| GR01-0001      | Homogenizing Bag, 12×18cm, Upstanding, EO sterile | +             | 100/pack, 30 packs/case |
| GR01-0002      | Homogenizing Bag, 20×22cm, Upstanding, EO sterile | +             | 100/pack, 14 packs/case |
| GR01-0003      | Homogenizing Bag, 20×32cm, Upstanding, EO sterile | +             | 100/pack, 12 packs/case |



Reagents Category

# Fetal Bovine Serum

## Product Introduction

Genever® Fetal Bovine Serum (FBS) is sourced exclusively from premium ranches in Inner Mongolia. We establish dedicated blood collection facilities to minimize batch-to-batch variation at the source. The serum is produced via aseptic surgical procedures, harvesting fetal calves aged 6-8 months through cesarean section, followed by cardiac puncture to collect blood.

## Key Features

- ▶ High-quality serum sources
- ▶ Complete document tracking system
- ▶ Fully automated filling line production in GMP grade clean room
- ▶ Heart blood collection from fetal cows of 6-8 months gestational age
- ▶ 100nm 3 times sterilization filtration



| Detection                                                                                                                                                                 | Fetal Bovine Serum(Premium) | Fetal Bovine Serum(Golden) |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------------------|
| Appearance (No hemolysis or foreign particles.)                                                                                                                           | •                           | •                          |
| Loading differences (≥97%)                                                                                                                                                | •                           | •                          |
| pH (7.0~8.5)                                                                                                                                                              | •                           | •                          |
| Osmolality (mOsmol/kg) (250~330)                                                                                                                                          | •                           | •                          |
| Endotoxin testing (≤5 EU/ml)                                                                                                                                              | •                           | •                          |
| Total protein (30~45g/l)                                                                                                                                                  | •                           | •                          |
| Hemoglobin (≤200mg/l)                                                                                                                                                     | •                           | •                          |
| IgG (≤250mg/l)                                                                                                                                                            | •                           | •                          |
| Sterility testing                                                                                                                                                         | •                           | •                          |
| Mycoplasma testing                                                                                                                                                        | •                           | •                          |
| E. coli phage                                                                                                                                                             | •                           | •                          |
| Virus Detection (Bovine Parainfluenza Virus, Bovine Adenovirus, Bovine Parvovirus, Bovine Viral Diarrhea Virus, Reovirus, Rabies Virus) – All test results were negative. | •                           | •                          |
| Sp2/0 Dubling Time (Tested using Sp2/0-Ag14 cells)                                                                                                                        | •                           | •                          |
| Cell Cloning rate≥90%                                                                                                                                                     | •                           | •                          |
| Packing                                                                                                                                                                   | 500ml                       | 500ml                      |

## Ordering Information

| Catalog Number | Description                 | Package Size  | application                                                   |
|----------------|-----------------------------|---------------|---------------------------------------------------------------|
| GEFBS801-500   | Fetal Bovine Serum(Premium) | 500 mL/bottle | MDBK, HEK293, Raw264.7, Vero, Sp20, K562, etc.                |
| GEFBS802-500   | Fetal Bovine Serum(Golden)  | 500 mL/bottle | Most stem cells, primary cells, and various common cell lines |

## Ready-to-use ELISA Kits

GENEVER ELISA kits can specifically quantify proteins, including cytokines, chemokines, growth factors, and signaling targets, refer to Table 1 for details. Our ELISA kits include a pre-coated 96-well plate and all necessary reagents (available in 48 or 96 specifications). In addition, the manual provides an easy-to-follow detailed experimental protocol and an introduction to the kit's performance. Simply add your samples, perform the analysis, and obtain quantitative results within half a day. (Kit components are listed in Table 2)

### Product Advantages

- Easy to Use: Includes all buffers and reagents needed for the experiment, no additional preparation required.
- Stable: Each kit has been verified dozens of times within and between batches, with low coefficients of variation.
- Wide Applicability: GENEVER ELISA kits cover a variety of targets and species, suitable for multiple types of biological samples; see Table 1 for details

**Table 1**

| Targets         | Species | Sample Type              |
|-----------------|---------|--------------------------|
| Cytokines       | Human   | Serum                    |
| Chemokines      | Mouse   | Plasma                   |
| Signal Proteins | Rat     | Cell culture supernatant |
| Receptors       | Monkey  | Cell lysates             |
| Growth Factors  | Bovine  | Tissue homogenate        |
| Disease Markers | Pig     | Urine                    |
|                 |         | Saliva                   |

**Table 2: Kit Components**

| Name                                    | 48 tests | 96 tests |
|-----------------------------------------|----------|----------|
| Pre-coated enzyme-labeled plate         | 8×6      | 8×12     |
| Lyophilized standard                    | 1 vial   | 2 vials  |
| Biotinylated detection antibody         | 1 vial   | 1 vial   |
| Streptavidin-HRP                        | 1 vial   | 1 vial   |
| Standard & sample diluent               | 1 bottle | 1 bottle |
| Biotinylated detection antibody diluent | 1 bottle | 1 bottle |
| Streptavidin-HRP diluent                | 1 bottle | 1 bottle |
| Washing buffer                          | 1 bottle | 1 bottle |
| TMB substrate                           | 1 bottle | 1 bottle |
| Stop solution                           | 1 bottle | 1 bottle |
| Sealing membrane                        | 3 sheets | 6 sheets |

\*For details, refer to the instruction manual.

## Quality and Performance Verification of Ready-to-use ELISA Kits

GENEVER ELISA kits meet industry standards, including standard calibration, precision, sensitivity, specificity, recovery rate, batch-to-batch consistency, linearity, and parallelism (Tables 3-4, Figures 1-5). Our kits have been verified with various sample types, such as serum, plasma, cell culture supernatant, and cell lysates. The production factory of the ELISA kit has passed the ISO 13485 certification, with strict quality control to ensure excellent quality and repeatability.

Standard Curve

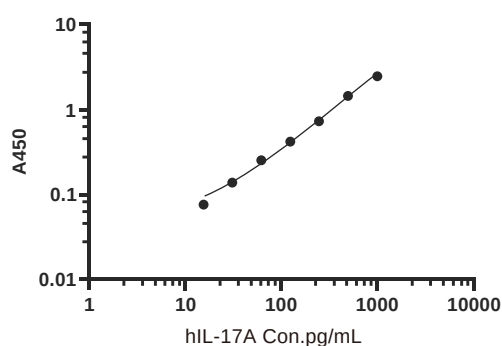


Figure 1: Human IL-17A Standard Curve

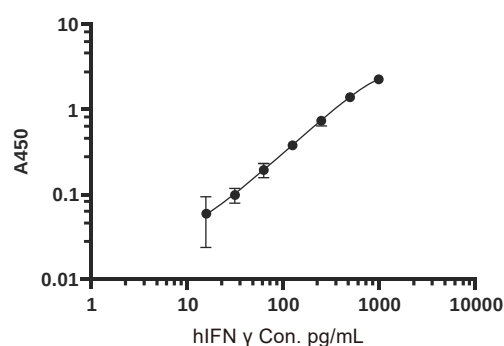


Figure 2: Human IFN-γ Standard Curve

### Recovery Rate Testing

Take Human IFN-γ ELISA as an example

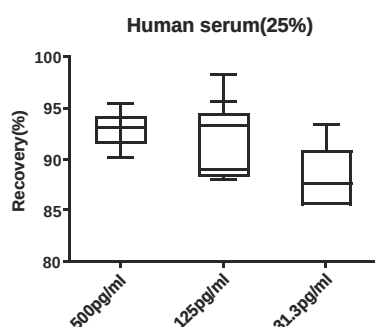


Figure 3: The recovery rate was assessed by adding three known concentrations of human IFN-γ to five human serum samples, with an average recovery rate of 88.1~93.0%.

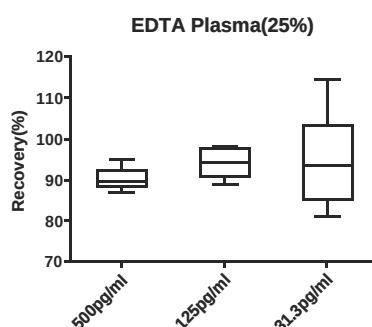


Figure 4: The recovery rate was assessed by adding three known concentrations of human IFN-γ to five EDTA-anticoagulated human plasma samples, with an average recovery rate of 90.3~94.4%.

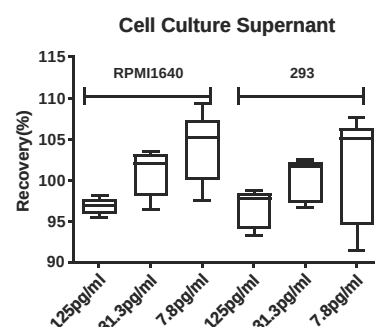


Figure 5: The recovery rate was assessed by adding three known concentrations of human IFN-γ to cell culture supernatant samples cultured in RPMI-1640 (containing 10% FBS) or 293 cell serum-free medium, with an average recovery rate of 96.5~103.9%.

### Intra- and Inter-batch Analysis of Kits

Table 3: Intra- and Inter-batch Analysis of Human IFN-γ Kit

|                            | Intra-batch |      |      | Inter-batch |      |      |
|----------------------------|-------------|------|------|-------------|------|------|
| Sample No.                 | No.1        | No.2 | No.3 | No.1        | No.2 | No.3 |
| Number of assays           | 20          | 20   | 20   | 20          | 20   | 20   |
| Mean concentration (pg/ml) | 484         | 243  | 117  | 473         | 243  | 113  |
| C.V(%)                     | 3.20        | 2.80 | 6.40 | 5.40        | 6.40 | 9.60 |

Table 4: Intra- and Inter-batch Analysis of Human IL-17A Kit

|                            | Intra-batch |      |      | Inter-batch |      |      |
|----------------------------|-------------|------|------|-------------|------|------|
| Sample No.                 | No.1        | No.2 | No.3 | No.1        | No.2 | No.3 |
| Number of assays           | 20          | 20   | 20   | 20          | 20   | 20   |
| Mean concentration (pg/ml) | 472         | 261  | 129  | 459         | 257  | 118  |
| C.V(%)                     | 5.60        | 4.40 | 3.20 | 8.20        | 2.80 | 5.60 |



## Ready-to-use ELISA Kit Product Catalog

### Human ELISA

| Cat No.      | Name                            | Sensitivity | Detection Range   |
|--------------|---------------------------------|-------------|-------------------|
| GNEH011-48T  | Human IL-1 $\alpha$ ELISA Kit   | 7.8 pg/ml   | 15.6~1000 pg/ml   |
| GNEH011-96T  | Human IL-1 $\alpha$ ELISA Kit   | 7.8 pg/ml   | 15.6~1000 pg/ml   |
| GNEH012S-48T | Human IL-1 $\beta$ ELISA Kit    | 1.1 pg/ml   | 2.3~150 pg/ml     |
| GNEH012S-96T | Human IL-1 $\beta$ ELISA Kit    | 1.1 pg/ml   | 2.3~150 pg/ml     |
| GNEH013-48T  | Human IL-1RA ELISA Kit          | 23.44 pg/ml | 46.875~3000 pg/ml |
| GNEH013-96T  | Human IL-1RA ELISA Kit          | 23.44 pg/ml | 46.875~3000 pg/ml |
| GNEH014S-48T | Human IL-2 ELISA Kit            | 1.9 pg/ml   | 7.8~500 pg/ml     |
| GNEH014S-96T | Human IL-2 ELISA Kit            | 1.9 pg/ml   | 7.8~500 pg/ml     |
| GNEH015-48T  | Human IL-2sR $\alpha$ ELISA Kit | 15.6 pg/ml  | 31.25~2000 pg/ml  |
| GNEH015-96T  | Human IL-2sR $\alpha$ ELISA Kit | 15.6 pg/ml  | 31.25~2000 pg/ml  |
| GNEH016-48T  | Human IL-3 ELISA Kit            | 15.6 pg/ml  | 31.25~2000 pg/ml  |
| GNEH016-96T  | Human IL-3 ELISA Kit            | 15.6 pg/ml  | 31.25~2000 pg/ml  |
| GNEH017S-48T | Human IL-4 ELISA Kit            | 1.1 pg/ml   | 2.3~150 pg/ml     |
| GNEH017S-96T | Human IL-4 ELISA Kit            | 1.1 pg/ml   | 2.3~150 pg/ml     |
| GNEH018S-48T | Human IL-5 ELISA Kit            | 2.7 pg/ml   | 7.8~500 pg/ml     |
| GNEH018S-96T | Human IL-5 ELISA Kit            | 2.7 pg/ml   | 7.8~500 pg/ml     |
| GNEH019S-48T | Human IL-6 ELISA Kit            | 0.98 pg/ml  | 3.9~250 pg/ml     |
| GNEH019S-96T | Human IL-6 ELISA Kit            | 0.98 pg/ml  | 3.9~250 pg/ml     |
| GNEH020-48T  | Human IL-6R $\alpha$ ELISA Kit  | 7.8 pg/ml   | 15.6~1000 pg/ml   |
| GNEH020-96T  | Human IL-6R $\alpha$ ELISA Kit  | 7.8 pg/ml   | 15.6~1000 pg/ml   |
| GNEH021-48T  | Human IL-7 ELISA Kit            | 15.6 pg/ml  | 31.25~2000 pg/ml  |
| GNEH021-96T  | Human IL-7 ELISA Kit            | 15.6 pg/ml  | 31.25~2000 pg/ml  |
| GNEH022S-48T | Human IL-8 ELISA Kit            | 8.6 pg/ml   | 31.25~2000 pg/ml  |
| GNEH022S-96T | Human IL-8 ELISA Kit            | 8.6 pg/ml   | 31.25~2000 pg/ml  |
| GNEH023-48T  | Human IL-9 ELISA Kit            | 23.44 pg/ml | 46.875~3000 pg/ml |
| GNEH023-96T  | Human IL-9 ELISA Kit            | 23.44 pg/ml | 46.875~3000 pg/ml |
| GNEH024S-48T | Human IL-10 ELISA Kit           | 1.5 pg/ml   | 3.1~200 pg/ml     |
| GNEH024S-96T | Human IL-10 ELISA Kit           | 1.5 pg/ml   | 3.1~200 pg/ml     |
| GNEH025-48T  | Human IL-11 ELISA Kit           | 15.6 pg/ml  | 31.25~2000 pg/ml  |
| GNEH025-96T  | Human IL-11 ELISA Kit           | 15.6 pg/ml  | 31.25~2000 pg/ml  |
| GNEH026-48T  | Human IL-12/23p40 ELISA Kit     | 7.8 pg/ml   | 15.6~1000 pg/ml   |
| GNEH026-96T  | Human IL-12/23p40 ELISA Kit     | 7.8 pg/ml   | 15.6~1000 pg/ml   |
| GNEH027S-48T | Human IL-12p70 ELISA Kit        | 11.7 pg/ml  | 31.25~2000 pg/ml  |
| GNEH027S-96T | Human IL-12p70 ELISA Kit        | 11.7 pg/ml  | 31.25~2000 pg/ml  |
| GNEH028S-48T | Human IL-13 ELISA Kit           | 1.6 pg/ml   | 6.3~400 pg/ml     |
| GNEH028S-96T | Human IL-13 ELISA Kit           | 1.6 pg/ml   | 6.3~400 pg/ml     |
| GNEH029S-48T | Human IL-17A ELISA Kit          | 5.9 pg/ml   | 15.6~1000 pg/ml   |
| GNEH029S-96T | Human IL-17A ELISA Kit          | 5.9 pg/ml   | 15.6~1000 pg/ml   |



| Cat No.      | Name                                 | Sensitivity | Detection Range   |
|--------------|--------------------------------------|-------------|-------------------|
| GNEH030-48T  | Human IL-17E/IL-25 ELISA Kit         | 15.6 pg/ml  | 31.25~2000 pg/ml  |
| GNEH030-96T  | Human IL-17E/IL-25 ELISA Kit         | 15.6 pg/ml  | 31.25~2000 pg/ml  |
| GNEH031-48T  | Human IL-17F ELISA Kit               | 31.25 pg/ml | 62.5~4000 pg/ml   |
| GNEH031-96T  | Human IL-17F ELISA Kit               | 31.25 pg/ml | 62.5~4000 pg/ml   |
| GNEH032-48T  | Human IL-17A/F Heterodimer ELISA Kit | 0.078 ng/ml | 0.156~10 ng/ml    |
| GNEH032-96T  | Human IL-17A/F Heterodimer ELISA Kit | 0.078 ng/ml | 0.156~10 ng/ml    |
| GNEH033-48T  | Human IL-17B ELISA Kit               | 23.44 pg/ml | 46.875~3000 pg/ml |
| GNEH033-96T  | Human IL-17B ELISA Kit               | 23.44 pg/ml | 46.875~3000 pg/ml |
| GNEH034S-48T | Human IL-18 ELISA Kit                | 7.8 pg/ml   | 15.6~1000 pg/ml   |
| GNEH034S-96T | Human IL-18 ELISA Kit                | 7.8 pg/ml   | 15.6~1000 pg/ml   |
| GNEH035-48T  | Human IL-21 ELISA Kit                | 23.44 pg/ml | 46.875~3000 pg/ml |
| GNEH035-96T  | Human IL-21 ELISA Kit                | 23.44 pg/ml | 46.875~3000 pg/ml |
| GNEH036-48T  | Human IL-22 ELISA Kit                | 7.8 pg/ml   | 15.6~1000 pg/ml   |
| GNEH036-96T  | Human IL-22 ELISA Kit                | 7.8 pg/ml   | 15.6~1000 pg/ml   |
| GNEH037-48T  | Human IL-23 ELISA Kit                | 15.6 pg/ml  | 31.25~2000 pg/ml  |
| GNEH037-96T  | Human IL-23 ELISA Kit                | 15.6 pg/ml  | 31.25~2000 pg/ml  |
| GNEH038-48T  | Human IL-24 ELISA Kit                | 0.08 ng/ml  | 0.156~10 ng/ml    |
| GNEH038-96T  | Human IL-24 ELISA Kit                | 0.08 ng/ml  | 0.156~100g/ml     |
| GNEH039-48T  | Human IL-27 ELISA Kit                | 62.5 pg/ml  | 125~8000 pg/ml    |
| GNEH039-96T  | Human IL-27 ELISA Kit                | 62.5 pg/ml  | 125~8000 pg/ml    |
| GNEH040-48T  | Human IL-29 ELISA Kit                | 15.6 pg/ml  | 31.25~2000 pg/ml  |
| GNEH040-96T  | Human IL-29 ELISA Kit                | 15.6 pg/ml  | 31.25~2000 pg/ml  |
| GNEH041-48T  | Human IL-31 ELISA Kit                | 0.08 ng/ml  | 0.156~10 ng/ml    |
| GNEH041-96T  | Human IL-31 ELISA Kit                | 0.08 ng/ml  | 0.156~10 ng/ml    |
| GNEH043-48T  | Human IL-36 $\alpha$ ELISA Kit       | 15.6 pg/ml  | 31.25~2000 pg/ml  |
| GNEH043-96T  | Human IL-36 $\alpha$ ELISA Kit       | 15.6 pg/ml  | 31.25~2000 pg/ml  |
| GNEH044-48T  | Human IL-36 $\beta$ ELISA Kit        | 7.8 pg/ml   | 15.6~1000 pg/ml   |
| GNEH044-96T  | Human IL-36 $\beta$ ELISA Kit        | 7.8 pg/ml   | 15.6~1000 pg/ml   |
| GNEH045-48T  | Human IL-36 $\gamma$ ELISA Kit       | 18.75 pg/ml | 37.5~2400 pg/ml   |
| GNEH045-96T  | Human IL-36 $\gamma$ ELISA Kit       | 18.75 pg/ml | 37.5~2400 pg/ml   |
| GNEH046-48T  | Human IL-37 ELISA Kit                | 15.6 pg/ml  | 31.25~2000 pg/ml  |
| GNEH046-96T  | Human IL-37 ELISA Kit                | 15.6 pg/ml  | 31.25~2000 pg/ml  |
| GNEH047-48T  | Human IL-38 ELISA Kit                | 31.25 pg/ml | 62.5~4000 pg/ml   |
| GNEH047-96T  | Human IL-38 ELISA Kit                | 31.25 pg/ml | 62.5~4000 pg/ml   |
| GNEH048-48T  | Human Serum Amyloid A ELISA Kit      | 0.39 ng/ml  | 0.78~50 ng/ml     |
| GNEH048-96T  | Human Serum Amyloid A ELISA Kit      | 0.39 ng/ml  | 0.78~50 ng/ml     |
| GNEH049-48T  | Human Eotaxin ELISA Kit              | 2.35 pg/ml  | 4.69~300 pg/ml    |
| GNEH049-96T  | Human Eotaxin ELISA Kit              | 2.35 pg/ml  | 4.69~300 pg/ml    |
| GNEH050-48T  | Human MCP-3 ELISA Kit                | 0.078 ng/ml | 0.156~20 ng/ml    |
| GNEH050-96T  | Human MCP-3 ELISA Kit                | 0.078 ng/ml | 0.156~20 ng/ml    |
| GNEH051-48T  | Human MMP-7 ELISA Kit                | 31.25 pg/ml | 62.5~4000 pg/ml   |
| GNEH051-96T  | Human MMP-7 ELISA Kit                | 31.25 pg/ml | 62.5~4000 pg/ml   |

| Cat No.      | Name                            | Sensitivity | Detection Range   |
|--------------|---------------------------------|-------------|-------------------|
| GNEH052-48T  | Human ST2 ELISA Kit             | 15.6 pg/ml  | 31.25~2000 pg/ml  |
| GNEH052-96T  | Human ST2 ELISA Kit             | 15.6 pg/ml  | 31.25~2000 pg/ml  |
| GNEH053-48T  | Human ACE2 ELISA Kit            | 1.95 ng/ml  | 3.9~250 ng/ml     |
| GNEH053-96T  | Human ACE2 ELISA Kit            | 1.95 ng/ml  | 3.9~250 ng/ml     |
| GNEH054-48T  | Human progranulin ELISA Kit     | 31.25 pg/ml | 62.5~4000 pg/ml   |
| GNEH054-96T  | Human progranulin ELISA Kit     | 31.25 pg/ml | 62.5~4000 pg/ml   |
| GNEH055-48T  | Human BMP-4 ELISA Kit           | 7.8 pg/ml   | 15.6~1000 pg/ml   |
| GNEH055-96T  | Human BMP-4 ELISA Kit           | 7.8 pg/ml   | 15.6~1000 pg/ml   |
| GNEH056-48T  | Human Osteoprotegerin ELISA Kit | 31.25 pg/ml | 62.5~4000 pg/ml   |
| GNEH056-96T  | Human Osteoprotegerin ELISA Kit | 31.25 pg/ml | 62.5~4000 pg/ml   |
| GNEH057-48T  | Human HB-EGF ELISA Kit          | 3.9 pg/ml   | 7.8~500 pg/ml     |
| GNEH057-96T  | Human HB-EGF ELISA Kit          | 3.9 pg/ml   | 7.8~500 pg/ml     |
| GNEH058S-48T | Human PD-1 ELISA Kit            | 1.6 pg/mL   | 3.9~250 pg/mL     |
| GNEH058S-96T | Human PD-1 ELISA Kit            | 1.6 pg/mL   | 3.9~250 pg/mL     |
| GNEH059-48T  | Human PD-L1 ELISA Kit           | 78 pg/ml    | 156.3~10000 pg/ml |
| GNEH059-96T  | Human PD-L1 ELISA Kit           | 78 pg/ml    | 156.3~10000 pg/ml |
| GNEH060-48T  | Human Tie-2 ELISA Kit           | 39.1 pg/ml  | 78.1~5000 pg/ml   |
| GNEH060-96T  | Human Tie-2 ELISA Kit           | 39.1 pg/ml  | 78.1~5000 pg/ml   |
| GNEH061-48T  | Human Dickkopf-1 ELISA Kit      | 31.25 pg/ml | 62.5~4000 pg/ml   |
| GNEH061-96T  | Human Dickkopf-1 ELISA Kit      | 31.25 pg/ml | 62.5~4000 pg/ml   |
| GNEH062-48T  | Human MMP-1 ELISA Kit           | 31.25 pg/ml | 62.5~4000 pg/ml   |
| GNEH062-96T  | Human MMP-1 ELISA Kit           | 31.25 pg/ml | 62.5~4000 pg/ml   |
| GNEH063-48T  | Human MMP-9 ELISA Kit           | 15.6 pg/ml  | 31.25~2000 pg/ml  |
| GNEH063-96T  | Human MMP-9 ELISA Kit           | 15.6 pg/ml  | 31.25~2000 pg/ml  |
| GNEH064-48T  | Human IgA ELISA Kit             | 0.39 ng/ml  | 0.78~50 ng/ml     |
| GNEH064-96T  | Human IgA ELISA Kit             | 0.39 ng/ml  | 0.78~50 ng/ml     |
| GNEH065-48T  | Human IgE ELISA Kit             | 0.23 ng/ml  | 0.469~30 ng/ml    |
| GNEH065-96T  | Human IgE ELISA Kit             | 0.23 ng/ml  | 0.469~30 ng/ml    |
| GNEH066-48T  | Human IgG ELISA Kit             | 0.39 ng/ml  | 0.78~50 ng/ml     |
| GNEH066-96T  | Human IgG ELISA Kit             | 0.39 ng/ml  | 0.78~50 ng/ml     |
| GNEH067-48T  | Human IgG4 ELISA Kit            | 7.8 ng/ml   | 15.6~1000 ng/ml   |
| GNEH067-96T  | Human IgG4 ELISA Kit            | 7.8 ng/ml   | 15.6~1000 ng/ml   |
| GNEH068-48T  | Human IgM ELISA Kit             | 0.16 ng/ml  | 0.313~20 ng/ml    |
| GNEH068-96T  | Human IgM ELISA Kit             | 0.16 ng/ml  | 0.313~20 ng/ml    |
| GNEH069-48T  | Human VEGF-A ELISA Kit          | 7.8 pg/ml   | 15.6~1000 pg/ml   |
| GNEH069-96T  | Human VEGF-A ELISA Kit          | 7.8 pg/ml   | 15.6~1000 pg/ml   |
| GNEH070-48T  | Human VCAM-1 ELISA Kit          | 15.6 pg/ml  | 31.25~2000 pg/ml  |
| GNEH070-96T  | Human VCAM-1 ELISA Kit          | 15.6 pg/ml  | 31.25~2000 pg/ml  |
| GNEH071-48T  | Human $\beta$ -NGF ELISA Kit    | 3.9 pg/ml   | 7.8~500 pg/ml     |
| GNEH071-96T  | Human $\beta$ -NGF ELISA Kit    | 3.9 pg/ml   | 7.8~500 pg/ml     |
| GNEH073-48T  | Human IGF-BP1 ELISA Kit         | 23.44 pg/ml | 46.875~3000 pg/ml |
| GNEH073-96T  | Human IGF-BP1 ELISA Kit         | 23.44 pg/ml | 46.875~3000 pg/ml |

| Cat No.      | Name                            | Sensitivity  | Detection Range    |
|--------------|---------------------------------|--------------|--------------------|
| GNEH074-48T  | Human Insulin ELISA Kit         | 2 $\mu$ U/ml | 3.9~250 $\mu$ U/ml |
| GNEH074-96T  | Human Insulin ELISA Kit         | 2 $\mu$ U/ml | 3.9~250 $\mu$ U/ml |
| GNEH075S-48T | Human IP-10 ELISA Kit           | 1.95 pg/ml   | 3.9~250 pg/ml      |
| GNEH075S-96T | Human IP-10 ELISA Kit           | 1.95 pg/ml   | 3.9~250 pg/ml      |
| GNEH076-48T  | Human Leptin ELISA Kit          | 15.6 pg/ml   | 31.25~2000 pg/ml   |
| GNEH076-96T  | Human Leptin ELISA Kit          | 15.6 pg/ml   | 31.25~2000 pg/ml   |
| GNEH077-48T  | Human MIG ELISA Kit             | 7.8 pg/ml    | 15.6~1000 pg/ml    |
| GNEH077-96T  | Human MIG ELISA Kit             | 7.8 pg/ml    | 15.6~1000 pg/ml    |
| GNEH078-48T  | Human PAI-1 ELISA Kit           | 23.44 pg/ml  | 46.875~3000 pg/ml  |
| GNEH078-96T  | Human PAI-1 ELISA Kit           | 23.44 pg/ml  | 46.875~3000 pg/ml  |
| GNEH079-48T  | Human PDGF-BB ELISA Kit         | 15.6 pg/ml   | 31.25~2000 pg/ml   |
| GNEH079-96T  | Human PDGF-BB ELISA Kit         | 15.6 pg/ml   | 31.25~2000 pg/ml   |
| GNEH080S-48T | Human Perforin ELISA Kit        | 19.5 pg/ml   | 39~2500 pg/ml      |
| GNEH080S-96T | Human Perforin ELISA Kit        | 19.5 pg/ml   | 39~2500 pg/ml      |
| GNEH081-48T  | Human PIGF-1 ELISA Kit          | 15.6 pg/ml   | 31.25~2000 pg/ml   |
| GNEH081-96T  | Human PIGF-1 ELISA Kit          | 15.6 pg/ml   | 31.25~2000 pg/ml   |
| GNEH082S-48T | Human RANTES ELISA Kit          | 3.9 pg/ml    | 7.8~500 pg/ml      |
| GNEH082S-96T | Human RANTES ELISA Kit          | 3.9 pg/ml    | 7.8~500 pg/ml      |
| GNEH083-48T  | Human Resistin ELISA Kit        | 7.8 pg/ml    | 15.6~1000 pg/ml    |
| GNEH083-96T  | Human Resistin ELISA Kit        | 7.8 pg/ml    | 15.6~1000 pg/ml    |
| GNEH084-48T  | Human sCD40L ELISA Kit          | 31.25 pg/ml  | 62.5~4000 pg/ml    |
| GNEH084-96T  | Human sCD40L ELISA Kit          | 31.25 pg/ml  | 62.5~4000 pg/ml    |
| GNEH085-48T  | Human SCF ELISA Kit             | 15.6 pg/ml   | 31.25~2000 pg/ml   |
| GNEH085-96T  | Human SCF ELISA Kit             | 15.6 pg/ml   | 31.25~2000 pg/ml   |
| GNEH086-48T  | Human SDF-1 $\alpha$ ELISA Kit  | 62.5 pg/ml   | 125~8000 pg/ml     |
| GNEH086-96T  | Human SDF-1 $\alpha$ ELISA Kit  | 62.5 pg/ml   | 125~8000 pg/ml     |
| GNEH087-48T  | Human sICAM-1 ELISA Kit         | 0.23 ng/ml   | 0.469~30 ng/ml     |
| GNEH087-96T  | Human sICAM-1 ELISA Kit         | 0.23 ng/ml   | 0.469~30 ng/ml     |
| GNEH088-48T  | Human sRANK Ligand ELISA Kit    | 7.8 pg/ml    | 15.6~1000 pg/ml    |
| GNEH088-96T  | Human sRANK Ligand ELISA Kit    | 7.8 pg/ml    | 15.6~1000 pg/ml    |
| GNEH089S-48T | Human IFN- $\alpha$ 2 ELISA Kit | 5.5 pg/ml    | 11~700 pg/ml       |
| GNEH089S-96T | Human IFN- $\alpha$ 2 ELISA Kit | 5.5 pg/ml    | 11~700 pg/ml       |
| GNEH090-48T  | Human IFN- $\beta$ ELISA Kit    | 0.16 ng/ml   | 0.313~20 ng/ml     |
| GNEH090-96T  | Human IFN- $\beta$ ELISA Kit    | 0.16 ng/ml   | 0.313~20 ng/ml     |
| GNEH091S-48T | Human IFN- $\gamma$ ELISA Kit   | 5.8 pg/ml    | 15.6~1000 pg/ml    |
| GNEH091S-96T | Human IFN- $\gamma$ ELISA Kit   | 5.8 pg/ml    | 15.6~1000 pg/ml    |
| GNEH092S-48T | Human TNF- $\alpha$ ELISA Kit   | 1.95 pg/ml   | 7.8~500 pg/ml      |
| GNEH092S-96T | Human TNF- $\alpha$ ELISA Kit   | 1.95 pg/ml   | 7.8~500 pg/ml      |
| GNEH093-48T  | Human TWEAK ELISA Kit           | 7.8 pg/ml    | 15.6~1000 pg/ml    |
| GNEH093-96T  | Human TWEAK ELISA Kit           | 7.8 pg/ml    | 15.6~1000 pg/ml    |
| GNEH094-48T  | Human TL-1A ELISA Kit           | 15.6 pg/ml   | 31.25~2000 pg/ml   |
| GNEH094-96T  | Human TL-1A ELISA Kit           | 15.6 pg/ml   | 31.25~2000 pg/ml   |

| Cat No.      | Name                                  | Sensitivity | Detection Range  |
|--------------|---------------------------------------|-------------|------------------|
| GNEH095-48T  | Human TNF- $\beta$ ELISA Kit          | 3.9 pg/ml   | 7.8~500 pg/ml    |
| GNEH095-96T  | Human TNF- $\beta$ ELISA Kit          | 3.9 pg/ml   | 7.8~500 pg/ml    |
| GNEH096-48T  | Human TGF- $\alpha$ ELISA Kit         | 3.9 pg/ml   | 7.8~500 pg/ml    |
| GNEH096-96T  | Human TGF- $\alpha$ ELISA Kit         | 3.9 pg/ml   | 7.8~500 pg/ml    |
| GNEH097S-48T | Human TGF- $\beta$ 1 ELISA Kit        | 3.8 pg/ml   | 15.6~1000 pg/ml  |
| GNEH097S-96T | Human TGF- $\beta$ 1 ELISA Kit        | 3.8 pg/ml   | 15.6~1000 pg/ml  |
| GNEH098-48T  | Human Latent TGF- $\beta$ 1 ELISA Kit | 0.78 pM     | 1.56~100 pM      |
| GNEH098-96T  | Human Latent TGF- $\beta$ 1 ELISA Kit | 0.78 pM     | 1.56~100 pM      |
| GNEH099S-48T | Human MCP-1 ELISA Kit                 | 7.8 pg/ml   | 15.6~1000 pg/ml  |
| GNEH099S-96T | Human MCP-1 ELISA Kit                 | 7.8 pg/ml   | 15.6~1000 pg/ml  |
| GNEH100-48T  | Human MCP-2 ELISA Kit                 | 1.95 pg/ml  | 3.9~250 pg/ml    |
| GNEH100-96T  | Human MCP-2 ELISA Kit                 | 1.95 pg/ml  | 3.9~250 pg/ml    |
| GNEH101S-48T | Human MIP-1 $\alpha$ ELISA Kit        | 15.6 pg/ml  | 31.25~2000 pg/ml |
| GNEH101S-96T | Human MIP-1 $\alpha$ ELISA Kit        | 15.6 pg/ml  | 31.25~2000 pg/ml |
| GNEH103-48T  | Human M-CSF ELISA Kit                 | 7.8 pg/ml   | 15.6~1000 pg/ml  |
| GNEH103-96T  | Human M-CSF ELISA Kit                 | 7.8 pg/ml   | 15.6~1000 pg/ml  |
| GNEH104-48T  | Human Adiponectin ELISA Kit           | 0.08 ng/ml  | 0.156~10 ng/ml   |
| GNEH104-96T  | Human Adiponectin ELISA Kit           | 0.08 ng/ml  | 0.156~10 ng/ml   |
| GNEH105-48T  | Human Albumin ELISA Kit               | 0.08 ng/ml  | 0.156~10 ng/ml   |
| GNEH105-96T  | Human Albumin ELISA Kit               | 0.08 ng/ml  | 0.156~10 ng/ml   |
| GNEH106-48T  | Human apoA1 ELISA Kit                 | 0.63 ng/ml  | 1.25~80 ng/ml    |
| GNEH106-96T  | Human apoA1 ELISA Kit                 | 0.63 ng/ml  | 1.25~80 ng/ml    |
| GNEH107-48T  | Human BAFF ELISA Kit                  | 31.25 pg/ml | 62.5~4000 pg/ml  |
| GNEH107-96T  | Human BAFF ELISA Kit                  | 31.25 pg/ml | 62.5~4000 pg/ml  |
| GNEH108-48T  | Human BD-1 ELISA Kit                  | 0.78 pg/ml  | 1.56~100 pg/ml   |
| GNEH108-96T  | Human BD-1 ELISA Kit                  | 0.78 pg/ml  | 1.56~100 pg/ml   |
| GNEH109-48T  | Human BD-2 ELISA Kit                  | 3.9 pg/ml   | 7.8~500 pg/ml    |
| GNEH109-96T  | Human BD-2 ELISA Kit                  | 3.9 pg/ml   | 7.8~500 pg/ml    |
| GNEH110-48T  | Human BD-4 ELISA Kit                  | 0.78 pg/ml  | 1.56~100 pg/ml   |
| GNEH110-96T  | Human BD-4 ELISA Kit                  | 0.78 pg/ml  | 1.56~100 pg/ml   |
| GNEH111-48T  | Human Betacellulin ELISA Kit          | 15.6 pg/ml  | 31.25~2000 pg/ml |
| GNEH111-96T  | Human Betacellulin ELISA Kit          | 15.6 pg/ml  | 31.25~2000 pg/ml |
| GNEH112-48T  | Human bFGF ELISA Kit                  | 62.5 pg/ml  | 125~8000 pg/ml   |
| GNEH112-96T  | Human bFGF ELISA Kit                  | 62.5 pg/ml  | 125~8000 pg/ml   |
| GNEH113-48T  | Human BMP-2 ELISA Kit                 | 15.6 pg/ml  | 31.25~2000 pg/ml |
| GNEH113-96T  | Human BMP-2 ELISA Kit                 | 15.6 pg/ml  | 31.25~2000 pg/ml |
| GNEH114-48T  | Human CCL19 ELISA Kit                 | 7.8 pg/ml   | 15.6~1000 pg/ml  |
| GNEH114-96T  | Human CCL19 ELISA Kit                 | 7.8 pg/ml   | 15.6~1000 pg/ml  |
| GNEH115-48T  | Human MDC/CCL22 ELISA Kit             | 7.8 pg/ml   | 15.6~1000 pg/ml  |
| GNEH115-96T  | Human MDC/CCL22 ELISA Kit             | 7.8 pg/ml   | 15.6~1000 pg/ml  |
| GNEH116S-48T | Human CRP ELISA Kit                   | 24.1 pg/ml  | 62.5~4000 pg/ml  |
| GNEH116S-96T | Human CRP ELISA Kit                   | 24.1 pg/ml  | 62.5~4000 pg/ml  |

| Cat No.      | Name                                      | Sensitivity | Detection Range  |
|--------------|-------------------------------------------|-------------|------------------|
| GNEH117-48T  | Human CTACK ELISA Kit                     | 3.9 pg/ml   | 7.8~500 pg/ml    |
| GNEH117-96T  | Human CTACK ELISA Kit                     | 3.9 pg/ml   | 7.8~500 pg/ml    |
| GNEH118-48T  | Human CXCL16 ELISA Kit                    | 3.9 pg/ml   | 7.8~500 pg/ml    |
| GNEH118-96T  | Human CXCL16 ELISA Kit                    | 3.9 pg/ml   | 7.8~500 pg/ml    |
| GNEH119-48T  | Human CXCL4 ELISA Kit                     | 15.6 pg/ml  | 31.25~2000 pg/ml |
| GNEH119-96T  | Human CXCL4 ELISA Kit                     | 15.6 pg/ml  | 31.25~2000 pg/ml |
| GNEH120-48T  | Human EGF ELISA Kit                       | 3.9 pg/ml   | 7.8~500 pg/ml    |
| GNEH120-96T  | Human EGF ELISA Kit                       | 3.9 pg/ml   | 7.8~500 pg/ml    |
| GNEH121-48T  | Human TARC/CCL17 ELISA Kit                | 3.9 pg/ml   | 7.8~500 pg/ml    |
| GNEH121-96T  | Human TARC/CCL17 ELISA Kit                | 3.9 pg/ml   | 7.8~500 pg/ml    |
| GNEH122-48T  | Human FGF-21 ELISA Kit                    | 15.6 pg/ml  | 31.25~2000 pg/ml |
| GNEH122-96T  | Human FGF-21 ELISA Kit                    | 15.6 pg/ml  | 31.25~2000 pg/ml |
| GNEH124-48T  | Human G-CSF ELISA Kit                     | 15.6 pg/ml  | 31.25~2000 pg/ml |
| GNEH124-96T  | Human G-CSF ELISA Kit                     | 15.6 pg/ml  | 31.25~2000 pg/ml |
| GNEH125S-48T | Human GM-CSF ELISA Kit                    | 8.2 pg/ml   | 31.25~2000 pg/ml |
| GNEH125S-96T | Human GM-CSF ELISA Kit                    | 8.2 pg/ml   | 31.25~2000 pg/ml |
| GNEH126S-48T | Human Granzyme B ELISA Kit                | 2.6 pg/ml   | 7.8~500 pg/ml    |
| GNEH126S-96T | Human Granzyme B ELISA Kit                | 2.6 pg/ml   | 7.8~500 pg/ml    |
| GNEH127-48T  | Human GRO beta ELISA Kit                  | 0.78 pg/ml  | 1.56~100 pg/ml   |
| GNEH127-96T  | Human GRO beta ELISA Kit                  | 0.78 pg/ml  | 1.56~100 pg/ml   |
| GNEH128-48T  | Human HGF ELISA Kit                       | 62.5 pg/ml  | 125~8000 pg/ml   |
| GNEH128-96T  | Human HGF ELISA Kit                       | 62.5 pg/ml  | 125~8000 pg/ml   |
| GNEH129-48T  | Human Neuroserpin ELISA Kit               | 31.25 pg/ml | 62.5~4000 pg/ml  |
| GNEH129-96T  | Human Neuroserpin ELISA Kit               | 31.25 pg/ml | 62.5~4000 pg/ml  |
| GNEH130-48T  | Human NGAL ELISA Kit                      | 39.1 pg/ml  | 78.1~5000 pg/ml  |
| GNEH130-96T  | Human NGAL ELISA Kit                      | 39.1 pg/ml  | 78.1~5000 pg/ml  |
| GNEH131-48T  | Human Thioredoxin-1 ELISA Kit             | 31.25 pg/ml | 62.5~4000 pg/ml  |
| GNEH131-96T  | Human Thioredoxin-1 ELISA Kit             | 31.25 pg/ml | 62.5~4000 pg/ml  |
| GNEH132-48T  | Human Thrombopoietin ELISA Kit            | 62.5 pg/ml  | 125~8000 pg/ml   |
| GNEH132-96T  | Human Thrombopoietin ELISA Kit            | 62.5 pg/ml  | 125~8000 pg/ml   |
| GNEH133-48T  | Human TIMP-1 ELISA Kit                    | 15.6 pg/ml  | 31.25~2000 pg/ml |
| GNEH133-96T  | Human TIMP-1 ELISA Kit                    | 15.6 pg/ml  | 31.25~2000 pg/ml |
| GNEH135-48T  | Human TIMP-4 ELISA Kit                    | 62.5 pg/ml  | 125~8000 pg/ml   |
| GNEH135-96T  | Human TIMP-4 ELISA Kit                    | 62.5 pg/ml  | 125~8000 pg/ml   |
| GNEH136-48T  | Human Vitamin D Binding Protein ELISA Kit | 0.195 ng/ml | 0.39~25 ng/ml    |
| GNEH136-96T  | Human Vitamin D Binding Protein ELISA Kit | 0.195 ng/ml | 0.39~25 ng/ml    |
| GNEH260S-48T | Human IL-15 ELISA Kit                     | 7.8 pg/ml   | 15.6~1000 pg/ml  |
| GNEH260S-96T | Human IL-15 ELISA Kit                     | 7.8 pg/ml   | 15.6~1000 pg/ml  |
| GNEH261S-48T | Human IL-33 ELISA Kit                     | 7.8 pg/ml   | 15.6~1000 pg/ml  |
| GNEH261S-96T | Human IL-33 ELISA Kit                     | 7.8 pg/ml   | 15.6~1000 pg/ml  |
| GNEH001-48T  | Alpha Fetoprotein ELISA Kit               | 0.78 ng/ml  | 1.56~100 ng/ml   |
| GNEH001-96T  | Alpha Fetoprotein ELISA Kit               | 0.78 ng/ml  | 1.56~100 ng/ml   |

| Cat No.     | Name                                | Sensitivity | Detection Range |
|-------------|-------------------------------------|-------------|-----------------|
| GNEH008-48T | Carcino Embryonic Antigen ELISA Kit | 0.78 ng/ml  | 1.56~100 ng/ml  |
| GNEH008-96T | Carcino Embryonic Antigen ELISA Kit | 0.78 ng/ml  | 1.56~100 ng/ml  |

## Mouse ELISA

| Cat No.      | Name                                 | Sensitivity | Detection Range   |
|--------------|--------------------------------------|-------------|-------------------|
| GNEM137S-48T | Mouse IL-1 $\alpha$ ELISA Kit        | 15.6 pg/ml  | 31.25~2000 pg/ml  |
| GNEM137S-96T | Mouse IL-1 $\alpha$ ELISA Kit        | 15.6 pg/ml  | 31.25~2000 pg/ml  |
| GNEM138S-48T | Mouse IL-1 $\beta$ ELISA Kit         | 2.2 pg/ml   | 7.8~500 pg/ml     |
| GNEM138S-96T | Mouse IL-1 $\beta$ ELISA Kit         | 2.2 pg/ml   | 7.8~500 pg/ml     |
| GNEM139S-48T | Mouse IL-2 ELISA Kit                 | 5.8 pg/ml   | 15.6~1000 pg/ml   |
| GNEM139S-96T | Mouse IL-2 ELISA Kit                 | 5.8 pg/ml   | 15.6~1000 pg/ml   |
| GNEM141S-48T | Mouse IL-4 ELISA Kit                 | 7.8 pg/ml   | 15.6~1000 pg/ml   |
| GNEM141S-96T | Mouse IL-4 ELISA Kit                 | 7.8 pg/ml   | 15.6~1000 pg/ml   |
| GNEM142S-48T | Mouse IL-5 ELISA Kit                 | 1.5 pg/ml   | 7.8~500 pg/ml     |
| GNEM142S-96T | Mouse IL-5 ELISA Kit                 | 1.5 pg/ml   | 7.8~500 pg/ml     |
| GNEM143S-48T | Mouse IL-6 ELISA Kit                 | 9.6 pg/ml   | 31.25~2000 pg/ml  |
| GNEM143S-96T | Mouse IL-6 ELISA Kit                 | 9.6 pg/ml   | 31.25~2000 pg/ml  |
| GNEM144S-48T | Mouse KC/CXCL1 ELISA Kit             | 7.8 pg/ml   | 15.6~1000 pg/ml   |
| GNEM144S-96T | Mouse KC/CXCL1 ELISA Kit             | 7.8 pg/ml   | 15.6~1000 pg/ml   |
| GNEM146S-48T | Mouse IL-10 ELISA Kit                | 3.5 pg/ml   | 9.4~600 pg/ml     |
| GNEM146S-96T | Mouse IL-10 ELISA Kit                | 3.5 pg/ml   | 9.4~600 pg/ml     |
| GNEM147-48T  | Mouse IL-12/23p40 ELISA Kit          | 7.8 pg/ml   | 15.6~1000 pg/ml   |
| GNEM147-96T  | Mouse IL-12/23p40 ELISA Kit          | 7.8 pg/ml   | 15.6~1000 pg/ml   |
| GNEM148S-48T | Mouse IL-12p70 ELISA Kit             | 11.8 pg/ml  | 31.25~2000 pg/ml  |
| GNEM148S-96T | Mouse IL-12p70 ELISA Kit             | 11.8 pg/ml  | 31.25~2000 pg/ml  |
| GNEM149S-48T | Mouse IL-13 ELISA Kit                | 7.8 pg/ml   | 15.6~1000 pg/ml   |
| GNEM149S-96T | Mouse IL-13 ELISA Kit                | 7.8 pg/ml   | 15.6~1000 pg/ml   |
| GNEM150-48T  | Mouse IL-15 ELISA Kit                | 11.7 pg/ml  | 23.44~1500 pg/ml  |
| GNEM150-96T  | Mouse IL-15 ELISA Kit                | 11.7 pg/ml  | 23.44~1500 pg/ml  |
| GNEM151-48T  | Mouse IL-16 ELISA Kit                | 3.9 pg/ml   | 7.8~500 pg/ml     |
| GNEM151-96T  | Mouse IL-16 ELISA Kit                | 3.9 pg/ml   | 7.8~500 pg/ml     |
| GNEM152S-48T | Mouse IL-17A ELISA Kit               | 1.9 pg/ml   | 6.3~400 pg/ml     |
| GNEM152S-96T | Mouse IL-17A ELISA Kit               | 1.9 pg/ml   | 6.3~400 pg/ml     |
| GNEM153-48T  | Mouse IL-17E ELISA Kit               | 31.25 pg/ml | 62.5~4000 pg/ml   |
| GNEM153-96T  | Mouse IL-17E ELISA Kit               | 31.25 pg/ml | 62.5~4000 pg/ml   |
| GNEM154-48T  | Mouse IL-17F ELISA Kit               | 11.7 pg/ml  | 23.44~1500 pg/ml  |
| GNEM154-96T  | Mouse IL-17F ELISA Kit               | 11.7 pg/ml  | 23.44~1500 pg/ml  |
| GNEM155-48T  | Mouse IL-17A/F Heterodimer ELISA Kit | 23.44 pg/ml | 46.875~3000 pg/ml |
| GNEM155-96T  | Mouse IL-17A/F Heterodimer ELISA Kit | 23.44 pg/ml | 46.875~3000 pg/ml |

| Cat No.      | Name                       | Sensitivity  | Detection Range   |
|--------------|----------------------------|--------------|-------------------|
| GNEM156-48T  | Mouse IL-17B ELISA Kit     | 156.25 pg/ml | 312.5~20000 pg/ml |
| GNEM156-96T  | Mouse IL-17B ELISA Kit     | 156.25 pg/ml | 312.5~20000 pg/ml |
| GNEM157-48T  | Mouse IL-17D ELISA Kit     | 46.88 pg/ml  | 93.75~6000 pg/ml  |
| GNEM157-96T  | Mouse IL-17D ELISA Kit     | 46.88 pg/ml  | 93.75~6000 pg/ml  |
| GNEM158S-48T | Mouse IL-18 ELISA Kit      | 7.8 pg/ml    | 15.6~1000 pg/ml   |
| GNEM158S-96T | Mouse IL-18 ELISA Kit      | 7.8 pg/ml    | 15.6~1000 pg/ml   |
| GNEM159-48T  | Mouse IL-21 ELISA Kit      | 46.88 pg/ml  | 93.75~6000 pg/ml  |
| GNEM159-96T  | Mouse IL-21 ELISA Kit      | 46.88 pg/ml  | 93.75~6000 pg/ml  |
| GNEM160S-48T | Mouse IL-22 ELISA Kit      | 23.44 pg/ml  | 46.875~3000 pg/ml |
| GNEM160S-96T | Mouse IL-22 ELISA Kit      | 23.44 pg/ml  | 46.875~3000 pg/ml |
| GNEM161-48T  | Mouse IL-23 ELISA Kit      | 31.25 pg/ml  | 62.5~4000 pg/ml   |
| GNEM161-96T  | Mouse IL-23 ELISA Kit      | 31.25 pg/ml  | 62.5~4000 pg/ml   |
| GNEM162-48T  | Mouse IL-27 ELISA Kit      | 31.25 pg/ml  | 62.5~4000 pg/ml   |
| GNEM162-96T  | Mouse IL-27 ELISA Kit      | 31.25 pg/ml  | 62.5~4000 pg/ml   |
| GNEM163-48T  | Mouse IL-27p28 ELISA Kit   | 7.8 pg/ml    | 15.6~1000 pg/ml   |
| GNEM163-96T  | Mouse IL-27p28 ELISA Kit   | 7.8 pg/ml    | 15.6~1000 pg/ml   |
| GNEM164-48T  | Mouse IL-33 ELISA Kit      | 23.44 pg/ml  | 46.875~3000 pg/ml |
| GNEM164-96T  | Mouse IL-33 ELISA Kit      | 23.44 pg/ml  | 46.875~3000 pg/ml |
| GNEM165-48T  | Mouse IL-33R ELISA Kit     | 0.16 ng/ml   | 0.313~20 ng/ml    |
| GNEM165-96T  | Mouse IL-33R ELISA Kit     | 0.16 ng/ml   | 0.313~20 ng/ml    |
| GNEM166-48T  | Mouse PD-L1 ELISA Kit      | 7.8 pg/ml    | 15.6~1000 pg/ml   |
| GNEM166-96T  | Mouse PD-L1 ELISA Kit      | 7.8 pg/ml    | 15.6~1000 pg/ml   |
| GNEM167-48T  | Mouse Dickkopf-1 ELISA Kit | 31.25 pg/ml  | 62.5~4000 pg/ml   |
| GNEM167-96T  | Mouse Dickkopf-1 ELISA Kit | 31.25 pg/ml  | 62.5~4000 pg/ml   |
| GNEM168-48T  | Mouse MMP-9 ELISA Kit      | 0.08 ng/ml   | 0.156~10 ng/ml    |
| GNEM168-96T  | Mouse MMP-9 ELISA Kit      | 0.08 ng/ml   | 0.156~10 ng/ml    |
| GNEM169-48T  | Mouse IgA ELISA Kit        | 1.56 ng/ml   | 3.125~200 ng/ml   |
| GNEM169-96T  | Mouse IgA ELISA Kit        | 1.56 ng/ml   | 3.125~200 ng/ml   |
| GNEM170-48T  | Mouse IgE ELISA Kit        | 0.78 ng/ml   | 1.56~100 ng/ml    |
| GNEM170-96T  | Mouse IgE ELISA Kit        | 0.78 ng/ml   | 1.56~100 ng/ml    |
| GNEM171-48T  | Mouse IgG ELISA Kit        | 0.08 ng/ml   | 0.156~10 ng/ml    |
| GNEM171-96T  | Mouse IgG ELISA Kit        | 0.08 ng/ml   | 0.156~10 ng/ml    |
| GNEM172-48T  | Mouse IgG1 ELISA Kit       | 1.56 ng/ml   | 3.125~200 ng/ml   |
| GNEM172-96T  | Mouse IgG1 ELISA Kit       | 1.56 ng/ml   | 3.125~200 ng/ml   |
| GNEM173-48T  | Mouse IgG2a ELISA Kit      | 0.19 ng/ml   | 0.39~25 ng/ml     |
| GNEM173-96T  | Mouse IgG2a ELISA Kit      | 0.19 ng/ml   | 0.39~25 ng/ml     |
| GNEM174-48T  | Mouse IgG2b ELISA Kit      | 0.156 ng/ml  | 0.313~20 ng/ml    |
| GNEM174-96T  | Mouse IgG2b ELISA Kit      | 0.156 ng/ml  | 0.313~20 ng/ml    |
| GNEM175-48T  | Mouse IgG3 ELISA Kit       | 0.78 ng/ml   | 1.56~100 ng/ml    |
| GNEM175-96T  | Mouse IgG3 ELISA Kit       | 0.78 ng/ml   | 1.56~100 ng/ml    |
| GNEM176-48T  | Mouse IgM ELISA Kit        | 0.16 ng/ml   | 0.313~20 ng/ml    |
| GNEM176-96T  | Mouse IgM ELISA Kit        | 0.16 ng/ml   | 0.313~20 ng/ml    |



| Cat No.      | Name                           | Sensitivity | Detection Range  |
|--------------|--------------------------------|-------------|------------------|
| GNEM177-48T  | Mouse VEGF ELISA Kit           | 7.8 pg/ml   | 15.6~1000 pg/ml  |
| GNEM177-96T  | Mouse VEGF ELISA Kit           | 7.8 pg/ml   | 15.6~1000 pg/ml  |
| GNEM178-48T  | Mouse TSLP ELISA Kit           | 15.6 pg/ml  | 31.25~2000 pg/ml |
| GNEM178-96T  | Mouse TSLP ELISA Kit           | 15.6 pg/ml  | 31.25~2000 pg/ml |
| GNEM179-48T  | Mouse IGF-I ELISA Kit          | 46.88 pg/ml | 93.75~6000 pg/ml |
| GNEM179-96T  | Mouse IGF-I ELISA Kit          | 46.88 pg/ml | 93.75~6000 pg/ml |
| GNEM180S-48T | Mouse IP-10 ELISA Kit          | 3.9 pg/ml   | 7.8~500 pg/ml    |
| GNEM180S-96T | Mouse IP-10 ELISA Kit          | 3.9 pg/ml   | 7.8~500 pg/ml    |
| GNEM181-48T  | Mouse KIM-1 ELISA Kit          | 7.8 pg/ml   | 15.6~1000 pg/ml  |
| GNEM181-96T  | Mouse KIM-1 ELISA Kit          | 7.8 pg/ml   | 15.6~1000 pg/ml  |
| GNEM182-48T  | Mouse MDC ELISA Kit            | 3.9 pg/ml   | 7.8~500 pg/ml    |
| GNEM182-96T  | Mouse MDC ELISA Kit            | 3.9 pg/ml   | 7.8~500 pg/ml    |
| GNEM183-48T  | Mouse PD1 ELISA Kit            | 7.8 pg/ml   | 15.6~1000 pg/ml  |
| GNEM183-96T  | Mouse PD1 ELISA Kit            | 7.8 pg/ml   | 15.6~1000 pg/ml  |
| GNEM184-48T  | Mouse PDGF-BB ELISA Kit        | 31.25 pg/ml | 62.5~4000 pg/ml  |
| GNEM184-96T  | Mouse PDGF-BB ELISA Kit        | 31.25 pg/ml | 62.5~4000 pg/ml  |
| GNEM185-48T  | Mouse Resistin ELISA Kit       | 7.8 pg/ml   | 15.6~1000 pg/ml  |
| GNEM185-96T  | Mouse Resistin ELISA Kit       | 7.8 pg/ml   | 15.6~1000 pg/ml  |
| GNEM186-48T  | Mouse sRANK Ligand ELISA Kit   | 15.6 pg/ml  | 31.25~2000 pg/ml |
| GNEM186-96T  | Mouse sRANK Ligand ELISA Kit   | 15.6 pg/ml  | 31.25~2000 pg/ml |
| GNEM187S-48T | Mouse IFN- $\alpha$ ELISA Kit  | 3.9 pg/ml   | 7.8~500 pg/ml    |
| GNEM187S-96T | Mouse IFN- $\alpha$ ELISA Kit  | 3.9 pg/ml   | 7.8~500 pg/ml    |
| GNEM188S-48T | Mouse IFN- $\gamma$ ELISA Kit  | 3.6 pg/ml   | 15.6~1000 pg/ml  |
| GNEM188S-96T | Mouse IFN- $\gamma$ ELISA Kit  | 3.6 pg/ml   | 15.6~1000 pg/ml  |
| GNEM189S-48T | Mouse TNF- $\alpha$ ELISA Kit  | 3.9 pg/ml   | 7.8~500 pg/ml    |
| GNEM189S-96T | Mouse TNF- $\alpha$ ELISA Kit  | 3.9 pg/ml   | 7.8~500 pg/ml    |
| GNEM190S-48T | Mouse TGF- $\beta$ 1 ELISA Kit | 3.8 pg/ml   | 15.6~1000 pg/ml  |
| GNEM190S-96T | Mouse TGF- $\beta$ 1 ELISA Kit | 3.8 pg/ml   | 15.6~1000 pg/ml  |
| GNEM192S-48T | Mouse MIP-1 $\alpha$ ELISA Kit | 1.56 pg/ml  | 3.125~200 pg/ml  |
| GNEM192S-96T | Mouse MIP-1 $\alpha$ ELISA Kit | 1.56 pg/ml  | 3.125~200 pg/ml  |
| GNEM194-48T  | Mouse MIP-2 ELISA Kit          | 3.9 pg/ml   | 7.8~500 pg/ml    |
| GNEM194-96T  | Mouse MIP-2 ELISA Kit          | 3.9 pg/ml   | 7.8~500 pg/ml    |
| GNEM195-48T  | Mouse M-CSF ELISA Kit          | 7.8 pg/ml   | 15.6~1000 pg/ml  |
| GNEM195-96T  | Mouse M-CSF ELISA Kit          | 7.8 pg/ml   | 15.6~1000 pg/ml  |
| GNEM196-48T  | Mouse Adiponectin ELISA Kit    | 15.6 pg/ml  | 31.25~2000 pg/ml |
| GNEM196-96T  | Mouse Adiponectin ELISA Kit    | 15.6 pg/ml  | 31.25~2000 pg/ml |
| GNEM197-48T  | Mouse IFN- $\beta$ ELISA Kit   | 3.13U/ml    | 6.25~400U/ml     |
| GNEM197-96T  | Mouse IFN- $\beta$ ELISA Kit   | 3.13U/ml    | 6.25~400U/ml     |
| GNEM198-48T  | Mouse CCL21 ELISA Kit          | 31.25 pg/ml | 62.5~4000 pg/ml  |
| GNEM198-96T  | Mouse CCL21 ELISA Kit          | 31.25 pg/ml | 62.5~4000 pg/ml  |
| GNEM199S-48T | Mouse CRP ELISA Kit            | 11.7 pg/ml  | 23.44~1500 pg/ml |
| GNEM199S-96T | Mouse CRP ELISA Kit            | 11.7 pg/ml  | 23.44~1500 pg/ml |

| Cat No.      | Name                   | Sensitivity | Detection Range  |
|--------------|------------------------|-------------|------------------|
| GNEM200-48T  | Mouse CXCL4 ELISA Kit  | 15.6 pg/ml  | 31.25~2000 pg/ml |
| GNEM200-96T  | Mouse CXCL4 ELISA Kit  | 15.6 pg/ml  | 31.25~2000 pg/ml |
| GNEM201-48T  | Mouse FGF-21 ELISA Kit | 1.9 pg/ml   | 3.9~250 pg/ml    |
| GNEM201-96T  | Mouse FGF-21 ELISA Kit | 1.9 pg/ml   | 3.9~250 pg/ml    |
| GNEM202-48T  | Mouse BCMA ELISA Kit   | 39.1 pg/ml  | 78.1~5000 pg/ml  |
| GNEM202-96T  | Mouse BCMA ELISA Kit   | 39.1 pg/ml  | 78.1~5000 pg/ml  |
| GNEM262S-48T | Mouse RANTES ELISA Kit | 1.95 pg/ml  | 3.9~250 pg/ml    |
| GNEM262S-96T | Mouse RANTES ELISA Kit | 1.95 pg/ml  | 3.9~250 pg/ml    |
| GNEM264S-48T | Mouse GM-CSF ELISA Kit | 7.8 pg/ml   | 15.6~1000 pg/ml  |
| GNEM264S-96T | Mouse GM-CSF ELISA Kit | 7.8 pg/ml   | 15.6~1000 pg/ml  |

## Rat ELISA

| Cat No.     | Name                        | Sensitivity | Detection Range  |
|-------------|-----------------------------|-------------|------------------|
| GNER232-48T | Rat IL-1 $\alpha$ ELISA Kit | 3.9 pg/ml   | 7.8~500 pg/ml    |
| GNER232-96T | Rat IL-1 $\alpha$ ELISA Kit | 3.9 pg/ml   | 7.8~500 pg/ml    |
| GNER233-48T | Rat IL-1 $\beta$ ELISA Kit  | 31.25 pg/ml | 62.5~4000 pg/ml  |
| GNER233-96T | Rat IL-1 $\beta$ ELISA Kit  | 31.25 pg/ml | 62.5~4000 pg/ml  |
| GNER234-48T | Rat IL-2 ELISA Kit          | 15.6 pg/ml  | 31.25~2000 pg/ml |
| GNER234-96T | Rat IL-2 ELISA Kit          | 15.6 pg/ml  | 31.25~2000 pg/ml |
| GNER235-48T | Rat IL-4 ELISA Kit          | 15.6 pg/ml  | 31.25~2000 pg/ml |
| GNER235-96T | Rat IL-4 ELISA Kit          | 15.6 pg/ml  | 31.25~2000 pg/ml |
| GNER236-48T | Rat IL-6 ELISA Kit          | 31.25 pg/ml | 62.5~4000 pg/ml  |
| GNER236-96T | Rat IL-6 ELISA Kit          | 31.25 pg/ml | 62.5~4000 pg/ml  |
| GNER237-48T | Rat KC ELISA Kit            | 1.95 pg/ml  | 3.9~250 pg/ml    |
| GNER237-96T | Rat KC ELISA Kit            | 1.95 pg/ml  | 3.9~250 pg/ml    |
| GNER238-48T | Rat IL-10 ELISA Kit         | 31.25 pg/ml | 62.5~4000 pg/ml  |
| GNER238-96T | Rat IL-10 ELISA Kit         | 31.25 pg/ml | 62.5~4000 pg/ml  |
| GNER239-48T | Rat IL-17A ELISA Kit        | 7.8 pg/ml   | 15.6~1000 pg/ml  |
| GNER239-96T | Rat IL-17A ELISA Kit        | 7.8 pg/ml   | 15.6~1000 pg/ml  |
| GNER240-48T | Rat IL-18 ELISA Kit         | 15.6 pg/ml  | 31.25~2000 pg/ml |
| GNER240-96T | Rat IL-18 ELISA Kit         | 15.6 pg/ml  | 31.25~2000 pg/ml |
| GNER241-48T | Rat MMP-9 ELISA Kit         | 39.1 pg/ml  | 78.1~5000 pg/ml  |
| GNER241-96T | Rat MMP-9 ELISA Kit         | 39.1 pg/ml  | 78.1~5000 pg/ml  |
| GNER242-48T | Rat IgA ELISA Kit           | 1.95 ng/ml  | 3.9~250 ng/ml    |
| GNER242-96T | Rat IgA ELISA Kit           | 1.95 ng/ml  | 3.9~250 ng/ml    |
| GNER243-48T | Rat IgE ELISA Kit           | 3.9 ng/ml   | 7.8~500 ng/ml    |
| GNER243-96T | Rat IgE ELISA Kit           | 3.9 ng/ml   | 7.8~500 ng/ml    |
| GNER244-48T | Rat IgG ELISA Kit           | 0.78 ng/ml  | 1.56~100 ng/ml   |
| GNER244-96T | Rat IgG ELISA Kit           | 0.78 ng/ml  | 1.56~100 ng/ml   |

| Cat No.      | Name                         | Sensitivity | Detection Range  |
|--------------|------------------------------|-------------|------------------|
| GNER245-48T  | Rat IgG1 ELISA Kit           | 0.78 ng/ml  | 1.56~100 ng/ml   |
| GNER245-96T  | Rat IgG1 ELISA Kit           | 0.78 ng/ml  | 1.56~100 ng/ml   |
| GNER246-48T  | Rat IgG2a ELISA Kit          | 1.6 ng/ml   | 3.125~200 ng/ml  |
| GNER246-96T  | Rat IgG2a ELISA Kit          | 1.6 ng/ml   | 3.125~200 ng/ml  |
| GNER247-48T  | Rat IgG2b ELISA Kit          | 0.4 ng/ml   | 0.78~50 ng/ml    |
| GNER247-96T  | Rat IgG2b ELISA Kit          | 0.4 ng/ml   | 0.78~50 ng/ml    |
| GNER248-48T  | Rat IgM ELISA Kit            | 0.16 ng/ml  | 0.313~20 ng/ml   |
| GNER248-96T  | Rat IgM ELISA Kit            | 0.16 ng/ml  | 0.313~20 ng/ml   |
| GNER249-48T  | Rat VEGF ELISA Kit           | 15.6 pg/ml  | 31.25~2000 pg/ml |
| GNER249-96T  | Rat VEGF ELISA Kit           | 15.6 pg/ml  | 31.25~2000 pg/ml |
| GNER250-48T  | Rat PDGF-BB ELISA Kit        | 31.25 pg/ml | 62.5~4000 pg/ml  |
| GNER250-96T  | Rat PDGF-BB ELISA Kit        | 31.25 pg/ml | 62.5~4000 pg/ml  |
| GNER251-48T  | Rat SCF ELISA Kit            | 15.6 pg/ml  | 31.25~2000 pg/ml |
| GNER251-96T  | Rat SCF ELISA Kit            | 15.6 pg/ml  | 31.25~2000 pg/ml |
| GNER252-48T  | Rat IFN- $\gamma$ ELISA Kit  | 7.8 pg/ml   | 15.6~1000 pg/ml  |
| GNER252-96T  | Rat IFN- $\gamma$ ELISA Kit  | 7.8 pg/ml   | 15.6~1000 pg/ml  |
| GNER253-48T  | Rat TNF- $\alpha$ ELISA Kit  | 31.25 pg/ml | 62.5~4000 pg/ml  |
| GNER253-96T  | Rat TNF- $\alpha$ ELISA Kit  | 31.25 pg/ml | 62.5~4000 pg/ml  |
| GNER254S-48T | Rat TGF- $\beta$ 1 ELISA Kit | 3.8 pg/ml   | 15.6~1000 pg/ml  |
| GNER254S-96T | Rat TGF- $\beta$ 1 ELISA Kit | 3.8 pg/ml   | 15.6~1000 pg/ml  |
| GNER255-48T  | Rat MCP-1 ELISA Kit          | 15.6 pg/ml  | 31.25~2000 pg/ml |
| GNER255-96T  | Rat MCP-1 ELISA Kit          | 15.6 pg/ml  | 31.25~2000 pg/ml |
| GNER256-48T  | Rat MIP-1 $\alpha$ ELISA Kit | 0.95 pg/ml  | 1.95~125 pg/ml   |
| GNER256-96T  | Rat MIP-1 $\alpha$ ELISA Kit | 0.95 pg/ml  | 1.95~125 pg/ml   |
| GNER257-48T  | Rat EGF ELISA Kit            | 7.8 pg/ml   | 15.6~1000 pg/ml  |
| GNER257-96T  | Rat EGF ELISA Kit            | 7.8 pg/ml   | 15.6~1000 pg/ml  |

## Other Species ELISA

| Cat No.      | Name                           | Sensitivity | Detection Range   |
|--------------|--------------------------------|-------------|-------------------|
| GNEB002-48T  | Bovine IL-4 ELISA Kit          | 15.6 pg/ml  | 31.25~2000 pg/ml  |
| GNEB002-96T  | Bovine IL-4 ELISA Kit          | 15.6 pg/ml  | 31.25~2000 pg/ml  |
| GNEB003-48T  | Bovine IL-8 ELISA Kit          | 6.25 pg/ml  | 12.5~800 pg/ml    |
| GNEB003-96T  | Bovine IL-8 ELISA Kit          | 6.25 pg/ml  | 12.5~800 pg/ml    |
| GNEB004-48T  | Bovine IgG ELISA Kit           | 0.78 ng/ml  | 1.56~100 ng/ml    |
| GNEB004-96T  | Bovine IgG ELISA Kit           | 0.78 ng/ml  | 1.56~100 ng/ml    |
| GNEB005-48T  | Bovine IFN- $\gamma$ ELISA Kit | 7.8 pg/ml   | 15.6~1000 pg/ml   |
| GNEB005-96T  | Bovine IFN- $\gamma$ ELISA Kit | 7.8 pg/ml   | 15.6~1000 pg/ml   |
| GNEMK204-48T | Monkey IL-1RA ELISA Kit        | 23.44 pg/ml | 46.875~3000 pg/ml |
| GNEMK204-96T | Monkey IL-1RA ELISA Kit        | 23.44 pg/ml | 46.875~3000 pg/ml |

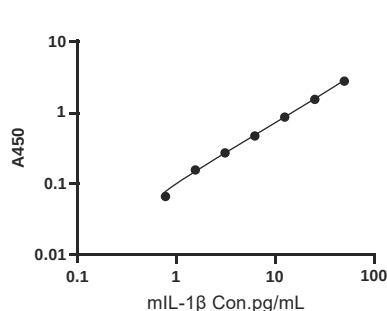
| Cat No.       | Name                         | Sensitivity | Detection Range |
|---------------|------------------------------|-------------|-----------------|
| GNEMK205-48T  | Monkey IL-2 ELISA Kit        | 3.9 pg/ml   | 7.8~500 pg/ml   |
| GNEMK205-96T  | Monkey IL-2 ELISA Kit        | 3.9 pg/ml   | 7.8~500 pg/ml   |
| GNEMK206-48T  | Monkey IL-4 ELISA Kit        | 1.95 pg/ml  | 3.9~250 pg/ml   |
| GNEMK206-96T  | Monkey IL-4 ELISA Kit        | 1.95 pg/ml  | 3.9~250 pg/ml   |
| GNEMK207-48T  | Monkey IL-5 ELISA Kit        | 1.95 pg/ml  | 3.9~250 pg/ml   |
| GNEMK207-96T  | Monkey IL-5 ELISA Kit        | 1.95 pg/ml  | 3.9~250 pg/ml   |
| GNEMK208S-48T | Monkey IL-6 ELISA Kit        | 7.61 pg/ml  | 15.6~1000 pg/mL |
| GNEMK208S-96T | Monkey IL-6 ELISA Kit        | 7.61 pg/ml  | 15.6~1000 pg/mL |
| GNEMK209-48T  | Monkey IL-12/23p40 ELISA Kit | 7.8 pg/ml   | 15.6~1000 pg/ml |
| GNEMK209-96T  | Monkey IL-12/23p40 ELISA Kit | 7.8 pg/ml   | 15.6~1000 pg/ml |
| GNEMK210-48T  | Monkey IL-13 ELISA Kit       | 7.8 pg/ml   | 15.6~1000 pg/ml |
| GNEMK210-96T  | Monkey IL-13 ELISA Kit       | 7.8 pg/ml   | 15.6~1000 pg/ml |
| GNEMK211-48T  | Monkey IgA ELISA Kit         | 0.78 ng/ml  | 1.56~100 ng/ml  |
| GNEMK211-96T  | Monkey IgA ELISA Kit         | 0.78 ng/ml  | 1.56~100 ng/ml  |
| GNEMK212-48T  | Monkey IgG ELISA Kit         | 0.39 ng/ml  | 0.78~50 ng/ml   |
| GNEMK212-96T  | Monkey IgG ELISA Kit         | 0.39 ng/ml  | 0.78~50 ng/ml   |
| GNEMK213-48T  | Monkey IgM ELISA Kit         | 1.56 ng/ml  | 3.125~200 ng/ml |
| GNEMK213-96T  | Monkey IgM ELISA Kit         | 1.56 ng/ml  | 3.125~200 ng/ml |
| GNEMK214-48T  | Monkey Insulin ELISA Kit     | 0.39μIU/ml  | 0.78~50μIU/ml   |
| GNEMK214-96T  | Monkey Insulin ELISA Kit     | 0.39μIU/ml  | 0.78~50μIU/ml   |
| GNEMK215-48T  | Monkey Perforin ELISA Kit    | 19.5 pg/ml  | 39~2500 pg/ml   |
| GNEMK215-96T  | Monkey Perforin ELISA Kit    | 19.5 pg/ml  | 39~2500 pg/ml   |
| GNEMK216S-48T | Monkey IFN-γ ELISA Kit       | 1.95 pg/ml  | 3.9~250 pg/ml   |
| GNEMK216S-96T | Monkey IFN-γ ELISA Kit       | 1.95 pg/ml  | 3.9~250 pg/ml   |
| GNEMK217-48T  | Monkey IFN-α pan ELISA Kit   | 5.5 pg/ml   | 11~700 pg/ml    |
| GNEMK217-96T  | Monkey IFN-α pan ELISA Kit   | 5.5 pg/ml   | 11~700 pg/ml    |
| GNEMK218-48T  | Monkey TNF-α ELISA Kit       | 3.125 pg/ml | 6.25~400 pg/ml  |
| GNEMK218-96T  | Monkey TNF-α ELISA Kit       | 3.125 pg/ml | 6.25~400 pg/ml  |
| GNEMK219-48T  | Monkey Apo A1 ELISA Kit      | 0.63 ng/ml  | 1.25~80 ng/ml   |
| GNEMK219-96T  | Monkey Apo A1 ELISA Kit      | 0.63 ng/ml  | 1.25~80 ng/ml   |

## High Sensitivity ELISA

GENEVER High Sensitivity ELISA kits can achieve precise quantitative analysis of low-abundance analytes. Validated for common sample types such as serum, plasma, cell culture supernatant, and tissue homogenate.

### Product Advantages

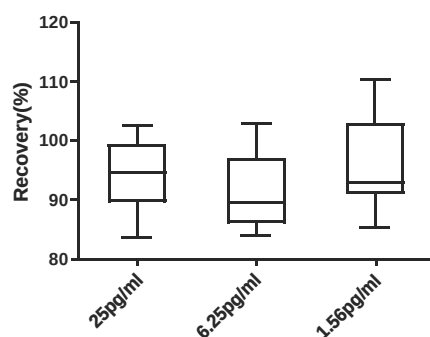
- ▶ High Sensitivity: Kits have a sensitivity of generally <1.0 pg/ml, with reliable results.
- ▶ Low Sample Volume: Requires a maximum of 50 µl of sample.
- ▶ Simple Operation: Follows the same procedure as conventional ELISA, without the need for additional signal amplification steps.
- ▶ Low equipment requirements: Using a conventional colorimetric microplate reader (450 nm) for detection



**Mouse IL-1 $\beta$  ELISA Standard Curve.**

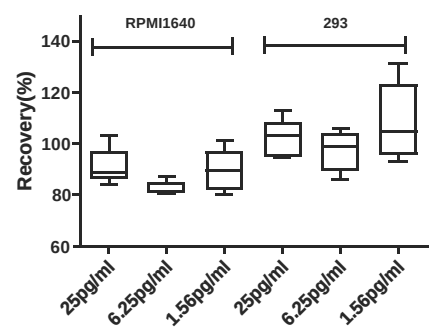
Quantitative range: 0.78~50 pg/ml

Sensitivity: 0.24 pg/ml



**Recovery Rate of Mouse IL-1 $\beta$  in Serum**

The recovery rate was assessed by adding three concentrations of mouse IL-1 $\beta$  to ten serum samples, with an average recovery rate of 91.5~95.9%.



**Recovery Rate of Mouse IL-1 $\beta$  in Cell Culture Supernatant**

The recovery rate was assessed by adding three concentrations of mouse IL-1 $\beta$  to cell culture supernatant samples cultured in RPMI-1640 (containing 10% FBS) or 293 cell serum-free medium, with an average recovery rate of 83.3~108.7%.

### Intra- and Inter-batch Analysis of Kits

|                            | Intra-batch |      |      | Inter-batch |      |      |
|----------------------------|-------------|------|------|-------------|------|------|
| Sample No.                 | No.1        | No.2 | No.3 | No.1        | No.2 | No.3 |
| Number of assays           | 20          | 20   | 20   | 20          | 20   | 20   |
| Mean concentration (pg/ml) | 47.1        | 23.4 | 12.2 | 44.9        | 22.7 | 11.8 |
| C.V (%)                    | 5.80        | 6.40 | 2.40 | 10.20       | 9.20 | 5.60 |

Three samples of known concentration were measured 20 times on the same plate to assess intra-batch differences. The total intra-batch coefficient of variation (C.V) was 4.9%. Three samples of known concentration were measured 20 times using kits from more than two batches and by three different operators to assess inter-batch differences. The total inter-batch C.V was 8.3%.

### Dilution Linearity of Mouse IL-1 $\beta$ in Serum Samples

| Theoretical Concentration | Dilution Ratio | Average Concentration (pg/ml) | Average Recovery Rate (%) |
|---------------------------|----------------|-------------------------------|---------------------------|
| 50 pg/ml                  | 1:2            | 47.02                         | 94.05                     |
| 25 pg/ml                  | 1:4            | 23.67                         | 94.69                     |
| 12.5 pg/ml                | 1:8            | 12.41                         | 99.30                     |
| 6.25 pg/ml                | 1:16           | 5.94                          | 94.99                     |

Different concentrations of mouse IL-1 $\beta$  standards were added to mouse serum samples and diluted with sample diluent in a 2-fold gradient for four consecutive dilutions. Four samples were measured in each experiment, and the concentration of the diluted samples and the recovery rate range were calculated.

## High Sensitivity ELISA Product Catalog (Partial)

| Cat No.       | Specie | Target        | Sensitivity | Detection Range |
|---------------|--------|---------------|-------------|-----------------|
| GNEH012HS-48T | Human  | IL-1 $\beta$  | 0.1 pg/ml   | 0.16~10 pg/ml   |
| GNEH012HS-96T | Human  | IL-1 $\beta$  | 0.1 pg/ml   | 0.16~10 pg/ml   |
| GNEH014HS-48T | Human  | IL-2          | 0.8 pg/ml   | 0.56~100 pg/ml  |
| GNEH014HS-96T | Human  | IL-2          | 0.8 pg/ml   | 0.56~100 pg/ml  |
| GNEH017HS-48T | Human  | IL-4          | 0.02 pg/ml  | 0.04~2.5 pg/ml  |
| GNEH017HS-96T | Human  | IL-4          | 0.02 pg/ml  | 0.04~2.5 pg/ml  |
| GNEH018HS-48T | Human  | IL-5          | 0.16 pg/ml  | 0.31~20 pg/ml   |
| GNEH018HS-96T | Human  | IL-5          | 0.16 pg/ml  | 0.31~20 pg/ml   |
| GNEH019HS-48T | Human  | IL-6          | 0.15 pg/ml  | 0.23~15 pg/ml   |
| GNEH019HS-96T | Human  | IL-6          | 0.15 pg/ml  | 0.23~15 pg/ml   |
| GNEH024HS-48T | Human  | IL-10         | 0.16 pg/ml  | 0.31~20 pg/ml   |
| GNEH024HS-96T | Human  | IL-10         | 0.16 pg/ml  | 0.31~20 pg/ml   |
| GNEH029HS-48T | Human  | IL-17A        | 0.08 pg/ml  | 0.16~10 pg/ml   |
| GNEH029HS-96T | Human  | IL-17A        | 0.08 pg/ml  | 0.16~10 pg/ml   |
| GNEH091HS-48T | Human  | IFN- $\gamma$ | 0.78 pg/ml  | 1.56~100 pg/ml  |
| GNEH091HS-96T | Human  | IFN- $\gamma$ | 0.78 pg/ml  | 1.56~100 pg/ml  |
| GNEM137HS-48T | Mouse  | IL-1 $\alpha$ | 0.49 pg/ml  | 0.63~40 pg/ml   |
| GNEM137HS-96T | Mouse  | IL-1 $\alpha$ | 0.49 pg/ml  | 0.63~40 pg/ml   |
| GNEM138HS-48T | Mouse  | IL-1 $\beta$  | 0.24 pg/ml  | 0.78~50 pg/ml   |
| GNEM138HS-96T | Mouse  | IL-1 $\beta$  | 0.24 pg/ml  | 0.78~50 pg/ml   |
| GNEM139HS-48T | Mouse  | IL-2          | 0.4 pg/ml   | 0.63~40 pg/ml   |
| GNEM139HS-96T | Mouse  | IL-2          | 0.4 pg/ml   | 0.63~40 pg/ml   |
| GNEM141HS-48T | Mouse  | IL-4          | 1.7 pg/ml   | 2.34~150 pg/ml  |
| GNEM141HS-96T | Mouse  | IL-4          | 1.7 pg/ml   | 2.34~150 pg/ml  |
| GNEM142HS-48T | Mouse  | IL-5          | 0.4 pg/ml   | 0.78~50 pg/ml   |
| GNEM142HS-96T | Mouse  | IL-5          | 0.4 pg/ml   | 0.78~50 pg/ml   |
| GNEM143HS-48T | Mouse  | IL-6          | 1.5 pg/ml   | 3.1~200 pg/ml   |
| GNEM143HS-96T | Mouse  | IL-6          | 1.5 pg/ml   | 3.1~200 pg/ml   |
| GNEM146HS-48T | Mouse  | IL-10         | 0.45 pg/ml  | 0.78~50 pg/ml   |
| GNEM146HS-96T | Mouse  | IL-10         | 0.45 pg/ml  | 0.78~50 pg/ml   |
| GNEM148HS-48T | Mouse  | IL-12p70      | 0.48 pg/ml  | 1.25~80 pg/ml   |
| GNEM148HS-96T | Mouse  | IL-12p70      | 0.48 pg/ml  | 1.25~80 pg/ml   |
| GNEM160HS-48T | Mouse  | IL-22         | 0.29 pg/ml  | 0.78~50 pg/ml   |
| GNEM160HS-96T | Mouse  | IL-22         | 0.29 pg/ml  | 0.78~50 pg/ml   |
| GNEM188HS-48T | Mouse  | IFN- $\gamma$ | 0.32 pg/ml  | 0.63~40 pg/ml   |
| GNEM188HS-96T | Mouse  | IFN- $\gamma$ | 0.32 pg/ml  | 0.63~40 pg/ml   |

## ELISA Auxiliary Reagents

GENEVER also provides auxiliary reagents for the entire process from sample preparation, protein quantification to ELISA detection according to different needs. These auxiliary reagents have been verified for stability and can be used in combination with the kits to help researchers improve efficiency and obtain better experimental results in ELISA experiments.

### Product Advantages

- Flexible: Each product at each stage can be purchased separately.
- Cost-effective: Available in various specifications, purchase as needed.
- Complete and Easy to Use: Full range of reagents, with the same quality as the ready-to-use ELISA kits.

## Tissue & Cell Lysis Buffer

Tissue lysis buffer (medium strength) is an effective buffer for lysing tissue cells. Based on the traditional RIPA buffer, the formula has been improved to be SDS-free, enabling effective lysis of tissue cells while maximizing protein activity.

Cell lysis buffer (medium strength) is an effective buffer for lysing adherent and suspension cells. Based on the traditional RIPA buffer, the formula has been improved to be SDS-free, capable of effectively lysing cells while maintaining the integrity of the cell nucleus and maximizing protein activity.

The resulting tissue & cell lysates can be used for WB, ELISA, immunoprecipitation, immunococipitation, and other experiments, and are compatible with the BCA protein assay kit. The lysis buffer contains some protease and phosphatase inhibitors. To effectively prevent protein degradation, it is recommended to add 1 mM PMSF according to the actual usage before use.

## Total Protein Quantification BCA Kit

The BCA (Bicinchoninic Acid) protein assay method

The BCA method, known for its high sensitivity and compatibility, has become one of the most widely used protein assay methods in laboratories. Based on the biuret principle, proteins reduce  $\text{Cu}^{2+}$  to  $\text{Cu}^{+}$  under alkaline conditions. BCA chelates  $\text{Cu}^{+}$  as a chromogen, producing a blue-purple color with an absorption peak at 562 nm. The concentration of  $\text{Cu}^{+}$  is dose-related to the protein. The protein concentration can be calculated based on the absorbance of the sample at 562 nm.

### Product Advantages

- Wide Linear Quantification Range: Quantitative range of 20~2000  $\mu\text{g/ml}$ .
- High Sensitivity: Sensitivity of 5  $\mu\text{g/ml}$ .
- Compatible with Various Detergents (Ionic and Non-ionic):
- Compatible with up to 5% SDS, TritonX-100, and Tween, etc.
- Special Note: Cysteine, tyrosine, and tryptophan in the sample may affect the accuracy of the results. Sucrose, glucose,  $\text{NH}_4^{+}$ , and EDTA in the lysis buffer may affect the assay results.

### Special Notes

- The presence of cysteine, tyrosine and tryptophan in the sample may affect the accuracy of the results.
- Sucrose, glucose,  $\text{NH}_4^{+}$  and EDTA in the lysate can affect the results.



## ELISA Auxiliary Reagent Catalog

| Cat No.        | Name                                                   | Specification  |
|----------------|--------------------------------------------------------|----------------|
| GNE-0000-30    | One-step Blocking and Fixing Buffer (1x)               | 30 mL/bottle   |
| GNE-8888-100   | ELISA Washing Buffer (20x)                             | 100 mL/bottle  |
| GNE-8889-100   | Multi-factor Washing Buffer (20x)                      | 100 mL/bottle  |
| GNE-7778-25    | 5x Coating Buffer (pH 9.6)                             | 25 mL/bottle   |
| GNE-7779-25    | 5x Coating Buffer (pH 7.4)                             | 25 mL/bottle   |
| GNE-0001-30    | Blocking Buffer (1×)                                   | 30 mL/bottle   |
| GNE-5555-100   | TMB Stop Buffer (450nm) (1×)                           | 100 mL/bottle  |
| GNE-1111-100   | TMB Substrate Solution (1×)                            | 100 mL/bottle  |
| GNE-1116-24    | Streptavidin HRP (50X)                                 | 0.24 mL/bottle |
| GNE-9999-TGFB  | TGF- $\beta$ Sample Activation Indicator               | 10 mL/bottle   |
| GNE-1212-10P   | Uncoated ELISA Auxiliary Reagent Pack I                | pack           |
| GNE-1818-1P    | Uncoated ELISA Auxiliary Reagent Pack II               | pack           |
| GNE-1213-10P   | Uncoated ELISA Auxiliary Reagent Pack III (with Plate) | pack           |
| GNP-5555-50T   | BCA Protein Quantification Kit                         | 50 tests/box   |
| GNP-5555-250T  | BCA Protein Quantification Kit                         | 250 tests/box  |
| GNP-5555-500T  | BCA Protein Quantification Kit                         | 500 tests/box  |
| GNE-5656-20    | Cell Lysis Buffer (medium strength)                    | 20 mL/bottle   |
| GNE-5656-100   | Cell Lysis Buffer (medium strength)                    | 100 mL/bottle  |
| GNE-5658-100   | Tissue and Cell Lysis Buffer (medium strength)         | 100 mL/bottle  |
| GNE-5658-20    | Tissue and Cell Lysis Buffer (medium strength)         | 20 mL/bottle   |
| GNE-3010-1MG   | Rapid Biotin Labeling Kit                              | 1 test/box     |
| GNE-3030-1MG   | Rapid Biotin Labeling Kit                              | 3 tests/box    |
| GNE-0002-100ML | Blood Sample Diluent                                   | 100 mL/bottle  |

## Components of Uncoated ELISA Auxiliary Reagent Packs

### Uncoated ELISA Auxiliary Reagent Pack II (GNE-1818-1P)

| Component                               | Specification | Quantity | Usage Recommendation                                                                                     |
|-----------------------------------------|---------------|----------|----------------------------------------------------------------------------------------------------------|
| 1x Color Coating Buffer (pH 7.4 or 9.6) | 12 mL         | 1 bottle | Ready-to-use, 100μL/well                                                                                 |
| 1x Blocking and Fixing Buffer           | 24 mL         | 1 bottle | Ready-to-use, 200μL/well                                                                                 |
| 5x Universal Diluent                    | 10 mL         | 1 bottle | Dilute with pure water 5 times, use as needed.<br>Can be used to dilute samples, antibodies, and enzymes |
| 20x Washing Buffer                      | 50 mL         | 1 bottle | Dilute with pure water 20 times, 300μL/well                                                              |
| 1x TMB Substrate Solution (450nm)       | 12 mL         | 1 bottle | Ready-to-use, 100μL/well                                                                                 |
| Substrate Stop Solution                 | 12 mL         | 1 bottle | Ready-to-use, 100μL/well                                                                                 |
| ELISA Plate                             | 8*12 strips   | 1 plate  | Detachable for use                                                                                       |
| Sealing Membrane                        | /             | 6 sheets | /                                                                                                        |

### Uncoated ELISA Auxiliary Reagent Pack I (GNE-1212-10P)

| Component               | Specification | Quantity  | Usage Recommendation                        |
|-------------------------|---------------|-----------|---------------------------------------------|
| 20x Washing Buffer      | 100 mL        | 3 bottles | Dilute with pure water 20 times, 300μL/well |
| Substrate Stop Solution | 100 mL        | 1 bottle  | Ready-to-use, 100μL/well                    |

### Uncoated ELISA Auxiliary Reagent Pack III (GNE-1213-10P)

| Component               | Specification | Quantity  | Usage Recommendation                        |
|-------------------------|---------------|-----------|---------------------------------------------|
| 20x Washing Buffer      | 250 mL        | 2 bottles | Dilute with pure water 20 times, 300μL/well |
| Substrate Stop Solution | 50 mL         | 2 bottles | Ready-to-use, 100μL/well                    |
| Detachable ELISA Plates | 8*12 strips   | 10 plates | /                                           |

**GENEVER**  
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