

SCIENTIFIC
PRODUCTS



The whole world runs on trust



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Ningbo TRUSTLAB Instruments Co., Ltd.



COMPANY PROFILE

Ningbo TRUSTLAB Instruments Co., Ltd.

We supply liquid handling and cell culture products with consistent high quality to help ensure you get the most reproducible and reliable results in your research.

We offer cell culture products with growth area ranging from 0.33 to 25,240 cm² for convenient scaled-up culture.

DNase-Free/RNase-Free

Our cell culture products are manufactured in class 100,000 clean rooms, strictly in compliance with the national standards of production management in clean rooms.

Pyrogen-Free/Endotoxin-Free

Pyrogen and endotoxin are a mixture of heatstable organisms harmful to cell growth and proliferation. Our cell culture products are free of pyrogen and endotoxin and we perform a test to detect the mixture.

Sterile

Our cell culture products are irradiationsterilized with high sterilization level SAL 10⁻⁶.



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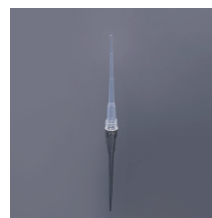
ISO 9001



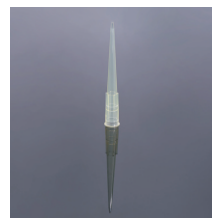
- * TRUSTLAB pipette tips are produced in Class 100,000 clean workshop, made from imported polypropylene material.
- * Each batch is strictly evaluated, DNase-free, RNase-free, Pyrogen-free, Without endotoxin or PCR inhibitor.
- * TRUSTLAB pipette tips could be adapted to various pipettes like: Gilson; Eppendorf, Thermo(Finn);Brand; Dragonlab etc.
- * The High quality pipette tips could simply the strict workflow, Hydrophobic filter avoids cross-contamination of aerosols and liquids,
- * Low retention tips could be adapted to viscose liquid and liquid with less surface tension, and reduce the liquid residue on the inner wall to ensure accurate research results.



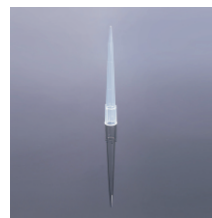
Size	Cat.#	Packaging	QTY/CTN	Color	Class
10ul	TL0010-B	1000 tips/bag	20bags/ctn	Nature	Common
10ul	TL0010-R	96 tips/rack	50racks/ctn	Nature	Common
10ul	TL0010-RU	960 tips/refill unit	10refill unit/ctn	Nature	Common
10ul	TL0010-B-LR	1000 tips/bag	20bags/ctn	Nature	Low retention
10ul	TL0010-R-LR	96 tips/rack	50racks/ctn	Nature	Low retention
10ul	TL0010-RU-LR	960 tips/refill unit	10refill unit/ctn	Nature	Low retention



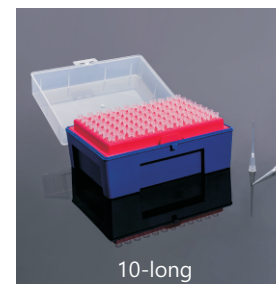
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10ul,Long	TL0010L-B	500 tips/bag	20bags/ctn	Nature	Common
10ul,Long	TL0010L-R	96 tips/rack	50racks/ctn	Nature	Common
10ul,Long	TL0010L-RU	960 tips/refill unit	10refill unit/ctn	Nature	Common
10ul,Long	TL0010L-B-LR	1000 tips/bag	20bags/ctn	Nature	Low retention
10ul,Long	TL0010L-R-LR	96 tips/rack	50racks/ctn	Nature	Low retention
10ul,Long	TL0010L-RU-LR	960 tips/refill unit	10refill unit/ctn	Nature	Low retention



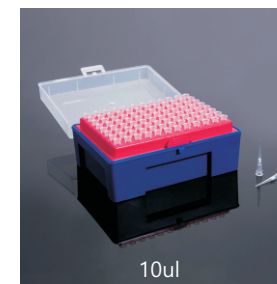
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200ul	TL0200-B	1000 tips/bag	20bags/ctn	Yellow/Nature	Common
200ul	TL0200-R	96 tips/rack	50racks/ctn	Yellow/Nature	Common
200ul	TL0200-RU	960 tips/refill unit	10refill unit/ctn	Yellow/Nature	Common
200ul	TL0200-B-LR	1000 tips/bag	20bags/ctn	Yellow/Nature	Low retention
200ul	TL0200-R-LR	96 tips/rack	50racks/ctn	Yellow/Nature	Low retention
200ul	TL0200-RU-LR	960 tips/refill unit	10refill unit/ctn	Yellow/Nature	Low retention



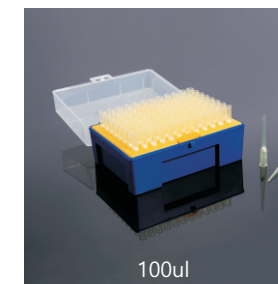
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300ul	TL0300-B	1000 tips/bag	20bags/ctn	Yellow/Nature	Common
300ul	TL0300-R	96 tips/rack	50racks/ctn	Yellow/Nature	Common
300ul	TL0300-RU	960 tips/refill unit	10refill unit/ctn	Yellow/Nature	Common
300ul	TL0300-B-LR	1000 tips/bag	20bags/ctn	Yellow/Nature	Low retention
300ul	TL0300-R-LR	96 tips/rack	50racks/ctn	Yellow/Nature	Low retention
300ul	TL0300-RU-LR	960 tips/refill unit	10refill unit/ctn	Yellow/Nature	Low retention



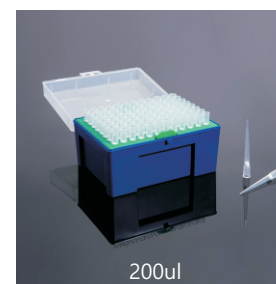
10-long



10ul



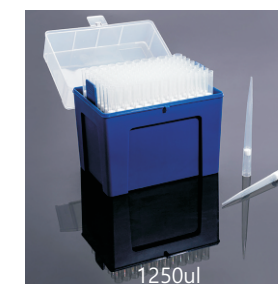
100ul



200ul



1000ul



1250ul



Size	Cat.#	Packaging	QTY/CTN	Color	Class
1000ul	TL1000-B	1000 tips/bag	5bags/ctn	Blue/Nature	Common
1000ul	TL1000-R	96 tips/rack	50racks/ctn	Blue/Nature	Common
1000ul	TL1000-RU	768 tips/refill unit	10refill unit/ctn	Blue/Nature	Common
1000ul	TL1000-B-LR	1000 tips/bag	5bags/ctn	Blue/Nature	Low retention
1000ul	TL1000-R-LR	96 tips/rack	50racks/ctn	Blue/Nature	Low retention
1000ul	TL1000-RU-LR	768 tips/refill unit	10refill unit/ctn	Blue/Nature	Low retention



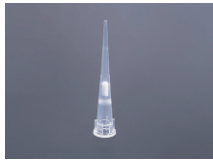
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1250ul	TL1250-B	500 tips/bag	10bags/ctn	Nature	Common
1250ul	TL1250-R	96 tips/rack	50racks/ctn	Nature	Common
1250ul	TL1250-RU	768 tips/refill unit	10refill unit/ctn	Nature	Common
1250ul	TL1250-B-LR	500 tips/bag	10bags/ctn	Nature	Low retention
1250ul	TL1250-R-LR	96 tips/rack	50racks/ctn	Nature	Low retention
1250ul	TL1250-RU-LR	768 tips/refill unit	10refill unit/ctn	Nature	Low retention

Pipette Tips Length

Size	Length (mm)	Size	Length (mm)
10ul	31.80±0.5	300ul	58.30±0.5
10ul,Long	45.00±0.5	1000ul	77.80±0.5
200ul	50.30±0.5	1250ul	101±0.5



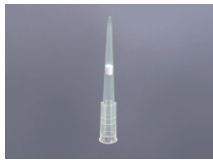
Size	Cat.#	Packaging	QTY/CTN	Color	Class
5ul	TL0005F-B	1000 tips/bag	20bags/ctn	Nature	Common
5ul	TL0005F-R	96 tips/rack	50racks/ctn	Nature	Common
5ul	TL0005F-B-LR	1000 tips/bag	20bags/ctn	Nature	Low retention
5ul	TL00050F-R-LR	96 tips/rack	50racks/ctn	Nature	Low retention



Size	Cat.#	Packaging	QTY/CTN	Color	Class
10ul	TL0010F-B	1000 tips/bag	20bags/ctn	Nature	Common
10ul	TL0010F-R	96 tips/rack	50racks/ctn	Nature	Common
10ul	TL0010F-B-LR	1000 tips/bag	20bags/ctn	Nature	Low retention
10ul	TL0010F-R-LR	96 tips/rack	50racks/ctn	Nature	Low retention



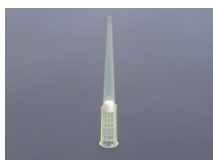
Size	Cat.#	Packaging	QTY/CTN	Color	Class
10ul,Long	TL0010LF-B	500 tips/bag	20bags/ctn	Nature	Common
10ul,Long	TL0010LF-R	96 tips/rack	50racks/ctn	Nature	Common
10ul,Long	TL0010LF-B-LR	500 tips/bag	20bags/ctn	Nature	Low retention
10ul,Long	TL0010LF-R-LR	96 tips/rack	50racks/ctn	Nature	Low retention



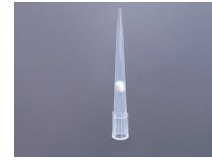
Size	Cat.#	Packaging	QTY/CTN	Color	Class
20ul	TL0020F-B	1000 tips/bag	20bags/ctn	Yellow/Nature	Common
20ul	TL0020F-R	96 tips/rack	50racks/ctn	Yellow/Nature	Common
20ul	TL0020F-B-LR	1000 tips/bag	20bags/ctn	Yellow/Nature	Low retention
20ul	TL0020F-R-LR	96 tips/rack	50racks/ctn	Yellow/Nature	Low retention



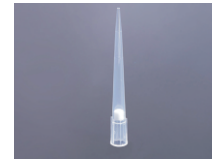
Size	Cat.#	Packaging	QTY/CTN	Color	Class
50ul	TL0050F-B	1000 tips/bag	20bags/ctn	Yellow/Nature	Common
50ul	TL0050F-R	96 tips/rack	50racks/ctn	Yellow/Nature	Common
50ul	TL0050F-B-LR	1000 tips/bag	20bags/ctn	Yellow/Nature	Low retention
50ul	TL0050F-R-LR	96 tips/rack	50racks/ctn	Yellow/Nature	Low retention



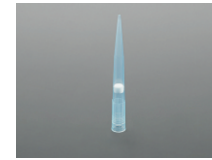
Size	Cat.#	Packaging	QTY/CTN	Color	Class
100ul	TL0100F-B	1000 tips/bag	20bags/ctn	Yellow/Nature	Common
100ul	TL0100F-R	96 tips/rack	50racks/ctn	Yellow/Nature	Common
100ul	TL0100F-B-LR	1000 tips/bag	20bags/ctn	Yellow/Nature	Low retention
100ul	TL0100F-R-LR	96 tips/rack	50racks/ctn	Yellow/Nature	Low retention



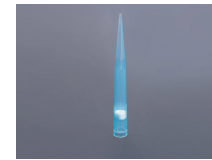
Size	Cat.#	Packaging	QTY/CTN	Color	Class
100ul,Long	TL0100LF-B	1000 tips/bag	20bags/ctn	Nature	Common
100ul,Long	TL0100LF-R	96 tips/rack	50racks/ctn	Nature	Common
100ul,Long	TL0100LF-B-LR	1000 tips/bag	20bags/ctn	Nature	Low retention
100ul,Long	TL0100LF-R-LR	96 tips/rack	50racks/ctn	Nature	Low retention



Size	Cat.#	Packaging	QTY/CTN	Color	Class
200ul	TL0200F-B	1000 tips/bag	20bags/ctn	Nature	Common
200ul	TL0200F-R	96 tips/rack	50racks/ctn	Nature	Common
200ul	TL0200F-B-LR	1000 tips/bag	20bags/ctn	Nature	Low retention
200ul	TL0200F-R-LR	96 tips/rack	50racks/ctn	Nature	Low retention



Size	Cat.#	Packaging	QTY/CTN	Color	Class
500ul	TL0500F-B	1000 tips/bag	5bags/ctn	Blue/Nature	Common
500ul	TL0500F-R	96 tips/rack	50racks/ctn	Blue/Nature	Common
500ul	TL0500F-B-LR	1000 tips/bag	5bags/ctn	Blue/Nature	Low retention
500ul	TL0500F-R-LR	96 tips/rack	50racks/ctn	Blue/Nature	Low retention



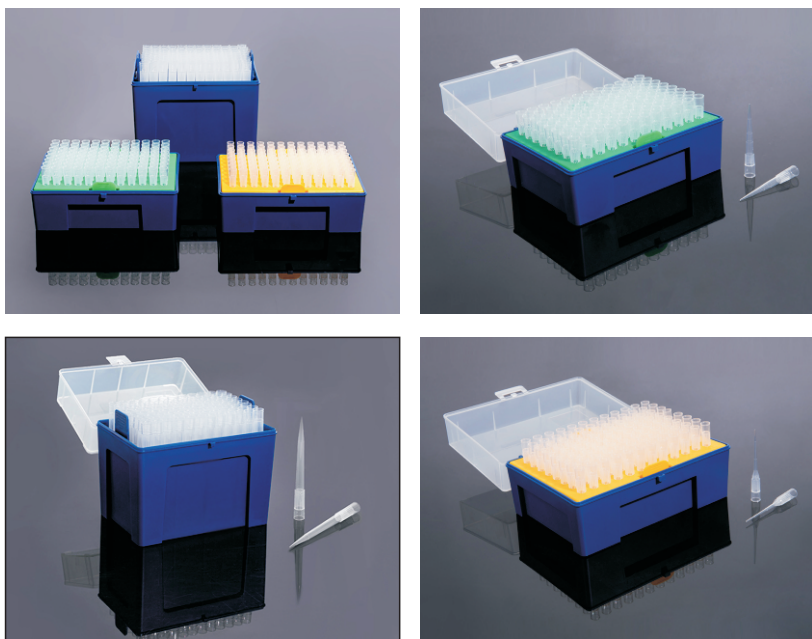
Size	Cat.#	Packaging	QTY/CTN	Color	Class
1000ul	TL1000F-B	1000 tips/bag	5bags/ctn	Blue/Nature	Common
1000ul	TL1000F-R	96 tips/rack	50racks/ctn	Blue/Nature	Common
1000ul	TL1000F-B-LR	1000 tips/bag	5bags/ctn	Blue/Nature	Low retention
1000ul	TL1000F-R-LR	96 tips/rack	50racks/ctn	Blue/Nature	Low retention



Size	Cat.#	Packaging	QTY/CTN	Color	Class
1250ul	TL1250F-B	500 tips/bag	10bags/ctn	Nature	Common
1250ul	TL1250F-R	96 tips/rack	50racks/ctn	Nature	Common
1250ul	TL1250F-B-LR	500 tips/bag	10bags/ctn	Nature	Low retention
1250ul	TL1250F-R-LR	96 tips/rack	50racks/ctn	Nature	Low retention

Pipette Tips Length

Size	Length (mm)	Filter Depth (mm)		
5ul	31.80±0.5	12.3±0.2	100ul	50.30±0.5
10ul	45.00±0.5	13.18±0.2	100ul,Long	58.30±0.5
10ul,Long	31.80±0.5	11.1±0.2	200ul	58.30±0.5
20ul	50.30±0.5	27.99±0.2	500ul	77.80±0.5
50ul	50.30±0.5	21.0±0.2	1000ul	77.80±0.5
			1250ul	101±0.5
				22.3±0.2



Rainin LTS Pipette Tips

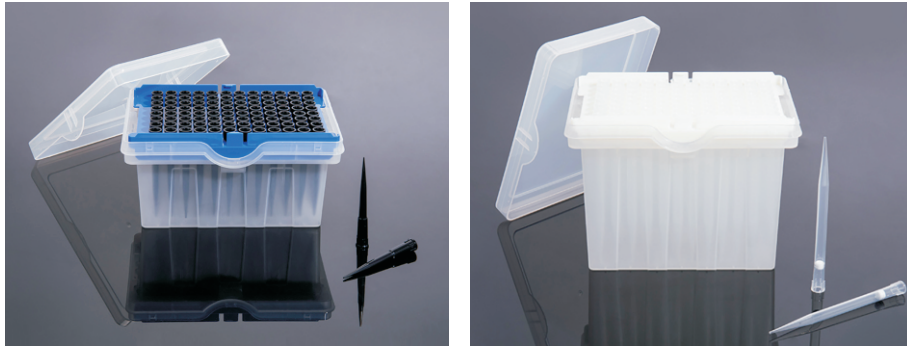
1. Rainin LTS Pipette Tips are made of medical grade polypropylene, and filters are made of highly hydrophobic UHMWPE.
2. 20ul, 200ul, and 1000ul tips.
3. Tips with/out filters, non/low retention all available.
4. Filters prevent cross-contamination and damage to samples, ensure accurate and precise sample aspiration, and protect the user by preventing sample liquid or vapor from entering the pipette body.
5. Low-retention tips undergo a coating-free treatment and will not contaminate samples.
6. User-friendly labels on tip racks enable convenient usage.
7. Made in Bioclean room; DNase & RNase Free, non-pyrogen.

Size	Cat.#	Packaging	QTY/CTN	Color	Class	Filter
20ul	TL0020-B-R	500 tips/bag	20bags/ctn	Nature	Common	NO
20ul	TL0020-R-R	96 tips/rack	50racks/ctn	Nature	Common	NO
20ul	TL0020-RU-R	960 tips/refill unit	10refill unit/ctn	Nature	Common	NO
20ul	TL0020F-B-R	500 tips/bag	20bags/ctn	Nature	Common	YES
20ul	TL0020F-R-R	96 tips/rack	50racks/ctn	Nature	Common	YES
20ul	TL0020F-RU-R	960 tips/refill unit	10refill unit/ctn	Nature	Common	YES

Size	Cat.#	Packaging	QTY/CTN	Color	Class	Filter
20ul	TL0020-B-RLR	500 tips/bag	20bags/ctn	Nature	Low retention	NO
20ul	TL0020-R-RLR	96 tips/rack	50racks/ctn	Nature	Low retention	NO
20ul	TL0020-RU-RLR	960 tips/refill unit	10refill unit/ctn	Nature	Low retention	NO
20ul	TL0020F-B-RLR	500 tips/bag	20bags/ctn	Nature	Low retention	YES
20ul	TL0020F-R-RLR	96 tips/rack	50racks/ctn	Nature	Low retention	YES
20ul	TL0020F-RU-RLR	960 tips/refill unit	10refill unit/ctn	Nature	Low retention	YES

Size	Cat.#	Packaging	QTY/CTN	Color	Class	Filter
200ul	TL0200-B-R	1000 tips/bag	20bags/ctn	Nature	Common	NO
200ul	TL0200-R-R	96 tips/rack	50racks/ctn	Nature	Common	NO
200ul	TL0200-RU-R	960 tips/refill unit	10refill unit/ctn	Nature	Common	NO
200ul	TL0200F-B-R	1000 tips/bag	20bags/ctn	Nature	Common	YES
200ul	TL0200F-R-R	96 tips/rack	50racks/ctn	Nature	Common	YES
200ul	TL0200F-RU-R	960 tips/refill unit	10refill unit/ctn	Nature	Common	YES
200ul	TL0200-B-RLR	1000 tips/bag	20bags/ctn	Nature	Low retention	NO
200ul	TL0200-R-RLR	96 tips/rack	50racks/ctn	Nature	Low retention	NO
200ul	TL0200-RU-RLR	960 tips/refill unit	10refill unit/ctn	Nature	Low retention	NO
200ul	TL0200F-B-RLR	1000 tips/bag	20bags/ctn	Nature	Low retention	YES
200ul	TL0200F-R-RLR	96 tips/rack	50racks/ctn	Nature	Low retention	YES
200ul	TL0200F-RU-RLR	960 tips/refill unit	10refill unit/ctn	Nature	Low retention	YES

Size	Cat.#	Packaging	QTY/CTN	Color	Class	Filter
1000ul	TL1000-B-R	1000 tips/bag	5bags/ctn	Nature	Common	NO
1000ul	TL1000-R-R	96 tips/rack	50racks/ctn	Nature	Common	NO
1000ul	TL1000-RU-R	768 tips/refill unit	10refill unit/ctn	Nature	Common	NO
1000ul	TL1000F-B-R	1000 tips/bag	5bags/ctn	Nature	Common	YES
1000ul	TL1000F-R-R	96 tips/rack	50racks/ctn	Nature	Common	YES
1000ul	TL1000F-RU-R	768 tips/refill unit	10refill unit/ctn	Nature	Common	YES
1000ul	TL1000-B-RLR	1000 tips/bag	5bags/ctn	Nature	Low retention	NO
1000ul	TL1000-R-RLR	96 tips/rack	50racks/ctn	Nature	Low retention	NO
1000ul	TL1000-RU-RLR	768 tips/refill unit	10refill unit/ctn	Nature	Low retention	NO
1000ul	TL1000F-B-RLR	1000 tips/bag	5bags/ctn	Nature	Low retention	YES
1000ul	TL1000F-R-RLR	96 tips/rack	50racks/ctn	Nature	Low retention	YES
1000ul	TL1000F-RU-RLR	768 tips/refill unit	10refill unit/ctn	Nature	Low retention	YES



Tecan Pipette Tips

1. Tecan's black conductive tips for use with Liquid Handling Arms on Tecan workstations.
2. TRUSTLAB pipette tips in 200ul and 1000ul sizes, with conductive tips made of conductive polypropylene for capacitive liquid level.
3. The conductive tips are made of conductive polypropylene for capacitive level detection.
4. Made in Bioclean room.
5. Packed in bags and boxes to meet customer needs.
6. Special filter element can effectively avoid cross-contamination between samples caused by aerosol.
7. Special low-adsorption tips, saving samples and reagents, and improving the accuracy of experimental operation.
8. DNase-free, RNase-free, Pyrogen-free, Without endotoxin or PCR inhibitor.

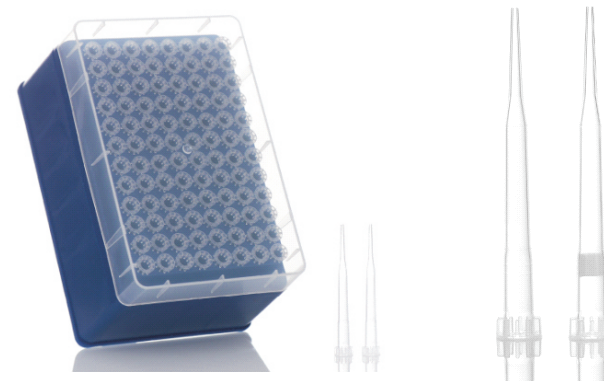
Size	Cat.#	Compatibility	Packaging	QTY/CTN	Color	Class	Filter
200ul	TL0200-T	TECAN	96pcs/rack	24racks/ctn	Nature	Common	NO
200ul	TL0200F-T	TECAN,Filter	96pcs/rack	24racks/ctn	Nature	Common	YES
200ul	TL0200-TC	TECAN,Conductive	96pcs/rack	24racks/ctn	Black	Common	NO
200ul	TL0200F-TC	TECAN,Filter,Conductive	96pcs/rack	24racks/ctn	Black	Common	YES
1000ul	TL1000-T	TECAN	96pcs/rack	16racks/ctn	Nature	Common	NO
1000ul	TL1000F-T	TECAN,Filter	96pcs/rack	16racks/ctn	Nature	Common	YES
1000ul	TL1000-T	TECAN,Conductive	96pcs/rack	16racks/ctn	Black	Common	NO
1000ul	TL1000F-TC	TECAN,Filter,Conductive	96pcs/rack	16racks/ctn	Black	Common	YES



Agilent Bravo Pipette Tips

1. Agilent brove pipette tips, designed, tested and optimized primarily for the Agilent Bravo automated liquid handling platform.
2. Widely used in the needs of high-throughput: Pipetting in genomics, proteomics, cytomics, immunoassays, metabolomics, biopharmaceuticals, and etc.
3. Compatible with Agilent workstations.
4. Made of medical grade polypropylene (clear tips).
5. Made in Bioclean room.
6. DNase-free, RNase-free, Pyrogen-free, Without endotoxin or PCR inhibitor.

Size	Cat.#	Packaging	QTY/CTN	Color	Class	Filter
250ul	TL0250-A	96 tips/bag	50racks/ctn	Nature	Common	NO
250ul	TL0250F-A	96 tips/rack	50racks/ctn	Nature	Common	YES





Perkin Elmer Pipette Tips

1. Made of medical grade polypropylene (clear tips).
2. Made in Bioclean room.
3. DNase-free, RNase-free, Pyrogen-free, Without endotoxin or PCR inhibitor.

Size	Cat.#	Packaging	QTY/CTN	Color	Class	Filter
50ul	TL0050-P	96 tips/rack	50racks/ctn	Yellow/Nature	Common	NO
50ul	TL0050F-P	96 tips/rack	50racks/ctn	Yellow/Nature	Common	YES
50ul	TL0050-PLR	96 tips/rack	50racks/ctn	Yellow/Nature	Low retention	NO
50ul	TL0050F-PLR	96 tips/rack	50racks/ctn	Yellow/Nature	Low retention	YES
200ul	TL0200-P	96 tips/rack	50racks/ctn	Yellow/Nature	Common	NO
200ul	TL0200F-P	96 tips/rack	50racks/ctn	Yellow/Nature	Common	YES
200ul	TL0200-PLR	96 tips/rack	50racks/ctn	Yellow/Nature	Low retention	NO
200ul	TL0200F-PLR	96 tips/rack	50racks/ctn	Yellow/Nature	Low retention	YES
235ul	TL0235-P	96 tips/rack	50racks/ctn	Yellow/Nature	Common	NO
235ul	TL0235F-P	96 tips/rack	50racks/ctn	Yellow/Nature	Common	YES

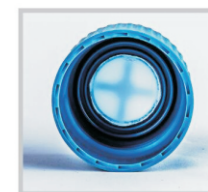


Product Features:

- High quality PETG or PC materials. Adopted to meet the requirements of food and drug exposure management, avoiding bisphenol problems.
- DNA/RNA FREE, No Pyrogen, and No endotoxin.
- Irradiation sterilization and sterile independent packaging.



Mirrored bottle walls to reduce cell adhesion



Breathable cover with 0.22um hydrophobic membrane to prevent microbial contamination



Smooth workmanship inside and outside the bottle, no dents or bumps, clear scale

Code	Volume	Cap	Height (mm)	Specification Neck diameter (mm)	Bottom diameter (mm)
TL001-0125	125ml	Vent Cap	113.5	34	66
TL001-0250	250ml	Vent Cap	138.2	34	83
TL001-0500	500ml	Vent Cap	177.5	39	101
TL001-1000	1000ml	Vent Cap	211.5	39	127
TL001-2800	2.8L	Vent Cap	243	96.2	164
TL001-5000	5L	Vent Cap	253	96.2	227

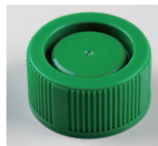


Features:

- TC treatment on surface
- Medical-class Polystyrene
- RNase-free, DNase-free and Non-pyrogenic
- Sterilized by Gamma Irrigation
- Graduation on side wall is for controlling volume
- Optimized design of thread complete closure by 2/3 turn
- Angled design of neck is easy for sampling
- Vent cap and plug seal cap are both available
- Easy identification of cap style



Vent cap is designed for open culture for it includes a hydrophobic membrane of 0.2um. Membrane prevents gas from contaminating in the process of exchanging. It's recommended to use CO2 incubator for vent cap, special for long-term cell culture.



Plug seal cap usually applies to airtight culture, however, it's suitable for open culture when unscrewing cap.

Code	Volume	Cultivation Areas (mm ²)	Cap	TC Treatment	Feature	Packaging
TL100-0050PTC	50ml	25	Plug seal cap	YES	Standard type Adherent culture	10pcs/bag 200pcs/CTN
TL100-0050FTC	50ml	25	Filter cap	YES	Standard type Adherent culture	10pcs/bag 200pcs/CTN
TL100-0050P	50ml	25	Plug seal cap	NO	Regular type Suspension culture	10pcs/bag 200pcs/CTN
TL100-0050F	50ml	25	Filter cap	NO	Regular type Suspension culture	10pcs/bag 200pcs/CTN
TL100-0250PTC	250ml	75	Plug seal cap	YES	Standard type Adherent culture	5pcs/bag 100pcs/CTN
TL100-0250FTC	250ml	75	Filter cap	YES	Standard type Adherent culture	5pcs/bag 100pcs/CTN
TL100-0250P	250ml	75	Plug seal cap	NO	Regular type Suspension culture	5pcs/bag 100pcs/CTN
TL100-0250F	250ml	75	Filter cap	NO	Regular type Suspension culture	5pcs/bag 100pcs/CTN
TL100-0600PTC	600ml	175	Plug seal cap	YES	Standard type Adherent culture	5pcs/bag 40pcs/CTN
TL100-0600FTC	600ml	175	Filter cap	YES	Standard type Adherent culture	5pcs/bag 40pcs/CTN
TL100-0600P	600ml	175	Plug seal cap	NO	Regular type Suspension culture	5pcs/bag 40pcs/CTN
TL100-0600F	600ml	175	Filter cap	NO	Regular type Suspension culture	5pcs/bag 40pcs/CTN



Product Features:

1. Bottle material: PET, PETG, Cap material: HDPE
2. With graduation
3. DNA/RNA FREE, No Pyrogen, and No endotoxin, withstand -135°C frozen storage
4. Irradiation sterilization

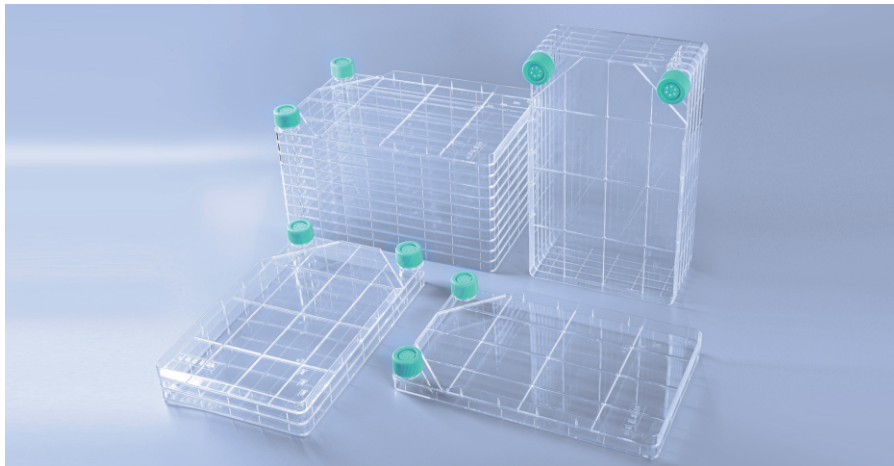
Code	Style	Bottle Material	Volume	Size	Calibre	Packaging
TL200-0050T	Triangle	PETG	50ml	75x30mm	24mm	80pcs/bag , 400pcs/CTN
TL200-0060S	Square	PETG	60ml	51x35mm	24mm	50pcs/bag , 200pcs/CTN
TL200-0125S	Square	PET	125ml	58x50mm	33mm	10pcs/bag , 100pcs/CTN
TL200-0125S-1	Square	PETG	125ml	58x50mm	33mm	10pcs/bag , 100pcs/CTN
TL200-0250S	Square	PET	250ml	92x60mm	33mm	10pcs/bag , 100pcs/CTN
TL200-0250S-1	Square	PETG	250ml	92x60mm	33mm	10pcs/bag , 100pcs/CTN
TL200-0500S	Square	PET	500ml	115x78mm	33mm	5pcs/bag , 50pcs/CTN
TL200-0500S-1	Square	PETG	500ml	115x78mm	33mm	5pcs/bag , 50pcs/CTN
TL200-0500B	Bevel	PETG	500ml	101.5x73mm	42mm	16pcs/bag , 32pcs/CTN
TL200-0500SC	Square with Big Calibre	PETG	500ml	115x75mm	42mm	24pcs/bag , 48pcs/CTN
TL200-0500R	Round Bottom	PETG	500ml	115x78mm	33mm	24pcs/bag , 48pcs/CTN
TL200-1000S	Square	PET	1000ml	145x90mm	33mm	4pcs/bag , 20pcs/CTN
TL200-1000S-1	Square	PETG	1000ml	145x90mm	33mm	4pcs/bag , 20pcs/CTN

In the past ten years, due to the rapid development of biological products, the traditional method of obtaining biological products from animal tissues by biochemical technology has been far from meeting the needs of the market, and in vitro large-scale culture of animal cells which is applied to express specific proteins, monoclonal antibodies and interferon and product virus vaccine has become the most common technology currently.

At present, the common methods of cell culture include conventional cell culture dish, plate, flask, roller bottle, bioreactor, etc.

The above cell culture devices have the following serious defects:

- 1) The unit volume of cell culture vessel and apparatus provides a surface area for cell growth, cell growth density is low, the number of harvested cells in a single culture is low and a large amount of materials labor and time are needed in repeated cultures.
- 2) Conventional cell culture dish, plate and bottle are all open type. So contamination is prone to happen in the process of liquid adding, inoculation and cell harvesting. Products developed by is made from medical-grade general purpose polystyrene and is an ideal tool for large-scale cell culture and the production of cellular drug.



*The culture device with mono layer or up to 10 layers can realize large-scale cell culture by one time.

* Available in surface treated, or non-treated.

*The device is assembled by hydrophobic membranes with a aperture of 0.22um to avoid potential contamination in gas exchange.

*The device does not absorb cytokines and growth factors, and conventional trypsin digestion method is applied in cell harvesting.

*Strict integrity tested

*Sterilized by gamma irradiation

*Non-pyrogenic & DNase/RNase-free

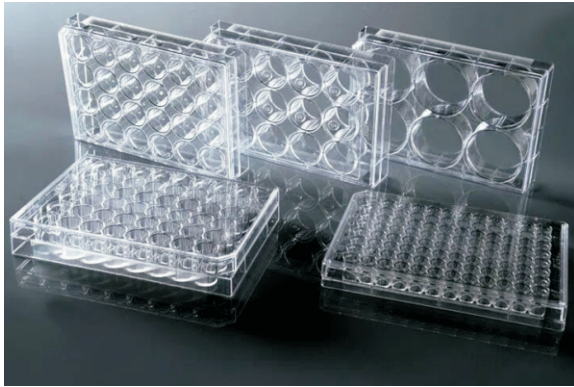
Ordering Information

*Individually packaged in peel-to-open plastic blister pack

*Every case has printed with lot No. for quality traceability

- 1 Pour the media directly into the Cell Factory system
- 2 Equilibrate by placing the Cell Factory system on the side with the small port
- 3 Turn 90° so the filling inlet is in an upward position. The medium will be separated, with equal amounts in each chamber
- 4 Carefully tilt the Cell Factory system to a horizontal incubation position with the filling inlet up
- 5 Incubate following appropriate protocol
- 6 Loosen the cap and empty directly into the reservoir

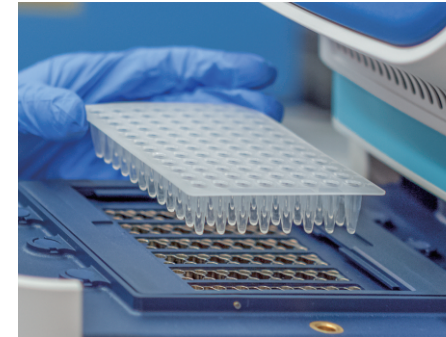
Cat.No.	Layers Qty.	Cell Growth (cm ²)	Working Volume (ml)	Material	Cap	Qty/Bag
TL013-0001	1	656	130-200	PS/HDPE	Non-treated Vent cap	1/8
TL013-0002	2	1296	260-400	PS/HDPE		1/6
TL013-0005	5	3216	650-1000	PS/HDPE		1/4
TL013-0010	10	6416	1300-2000	PS/HDPE		1/2
TL013-0011	1	656	130-200	PS/HDPE	Non-treated Vent cap	1/8
TL013-0012	2	1296	260-400	PS/HDPE		1/6
TL013-0015	5	3216	650-1000	PS/HDPE		1/4
TL013-0110	10	6416	1300-2000	PS/HDPE		1/2



Constructed of Prime Virgin Polystyrene:

- Plate cover design minimizes the risk of cross contamination.
- Thin-walled well bottoms increase thermal consistency, reducing the edge effect.
- Flat well bottoms provide excellent clarity for microscopic examination of samples.
- Gamma radiation sterilized.
- Non-pyrogenic, non-cytotoxic; DNase & RNase free, human DNA free.

Code	Wells	Bottle Style	TC Treatment	Features	Packaging
TL300-006TC	6Wells	Plate Bottom	YES	Standard Type Adherent Culture	1PC/Hard Shrinkage Package , 50pcs/CTN
TL300-006	6Wells	Plate Bottom	NO	Regular Type Suspension Culture	1PC/Hard Shrinkage Package , 50pcs/CTN
TL300-0012TC	12Wells	Plate Bottom	YES	Standard Type Adherent Culture	1PC/Hard Shrinkage Package , 50pcs/CTN
TL300-0012	12Wells	Plate Bottom	NO	Regular Type Suspension Culture	1PC/Hard Shrinkage Package , 50pcs/CTN
TL300-0024TC	24Wells	Plate Bottom	YES	Standard Type Adherent Culture	1PC/Hard Shrinkage Package , 50pcs/CTN
TL300-0024	24Wells	Plate Bottom	NO	Regular Type Suspension Culture	1PC/Hard Shrinkage Package , 50pcs/CTN
TL300-0096TC	96Wells	Plate Bottom	YES	Standard Type Adherent Culture	1PC/Hard Shrinkage Package , 100pcs/CTN
TL300-0096	96Wells	Plate Bottom	NO	Regular Type Suspension Culture	1PC/Hard Shrinkage Package , 100pcs/CTN
TL300-0096U	96Wells	U-shape Bottom	YES	Regular Type Suspension Culture	1PC/Hard Shrinkage Package , 50pcs/CTN

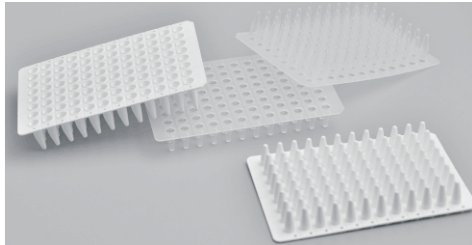


Product Features:

- Non-pyrogenic, non-cytotoxic; DNase & RNase free, human DNA free.
- Medical-grade polypropylene (PP).
- Irradiation sterilization.
- Thin walled tube for best heat transfer.
- Evaporation rate below 5%, saving cost on reagents.
- Low and standard profile with 3 skirted format for almost all PCR and sequencer machine.
- It can be used for quantitative analysis of DNA and RNA, fit for various automatic amplification instruments.

Photo	Code	Wells	Style	Volume	Color	Packaging
	TL400-0001	96Wells	Non-skirted	0.1ml	Transparent	10pcs/bag
	TL400-0002	96Wells	Non-skirted	0.2ml	Transparent	10pcs/bag
	TL400-0003	96Wells	Non-skirted	0.1ml	White	10pcs/bag
	TL400-0004	96Wells	Non-skirted	0.2ml	White	10pcs/bag
	TL400-0005	96Wells	Half Skirted	0.1ml	Transparent	10pcs/bag
	TL400-0006	96Wells	Half Skirted	0.2ml	Transparent	10pcs/bag
	TL400-0007	96Wells	Half Skirted	0.1ml	White	10pcs/bag
	TL400-0008	96Wells	Half Skirted	0.2ml	White	10pcs/bag
	TL400-0009	96Wells	Skirted	0.1ml	White	10pcs/bag
	TL400-0010	348Wells	Skirted	40ul	White+White	15pcs/box
	TL400-0011	348Wells	Skirted	40ul	White+Transparent	15pcs/box
	TL400-0012	348Wells	Skirted	40ul	Transparent+Transparent	15pcs/box
	TL400-0013	348Wells	Skirted	50ul	Transparent+Transparent	15pcs/box

**96WELLS PCR PLATES (WITH CUTTING GROOVE LINE)
CAN BE CUT INTO 24WELLS、48WELLS**



Product Features:

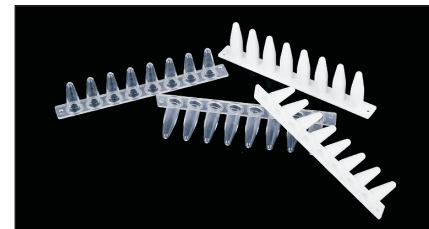
- Non-pyrogenic, non-cytotoxic; DNase & RNase free, human DNA free.
- Plate with cutting groove, can be cut into 24wells, 48wells plate, marked clearly; Convex hole edge is suitable for aluminum mold heat sealing.
- Flat top surface, the seal is more easy, more secure, you can use the PCR/qPCR sealing plate membrane eight league or transparent cover seal.

Photo	Code	Wells	Style	Volume	Color	Packaging
	TL500-0001	96Wells	Non-skirted	0.1ml	Transparent	15pcs/box
	TL500-0002	96Wells	Non-skirted	0.2ml	Transparent	15pcs/box
	TL500-0003	96Wells	Non-skirted	0.1ml	White	15pcs/box
	TL500-0004	96Wells	Non-skirted	0.2ml	White	15pcs/box
	TL500-0005	96Wells	Half Skirted	0.1ml	Transparent	10pcs/box
	TL500-0006	96Wells	Half Skirted	0.2ml	Transparent	10pcs/box
	TL500-0007	96Wells	Half Skirted	0.1ml	White	10pcs/box
	TL500-0008	96Wells	Half Skirted	0.2ml	White	10pcs/box
	TL500-0009	96Wells	Whole Skirted	0.2ml	White	10pcs/box
	TL500-0010	96Wells	Whole Skirted	0.2ml	Transparent	10pcs/box



- Thin Walled Tube for Best Heat Transfer
- Made of Medical grade Polypropylene.
 - Free of DNase, RNase, DNA, PCR Inhibitor, ATP, Endotoxin. All products are ready to use in PCR.
 - Autoclavable.
 - Evaporation rate below 5%, no mineral oil needed.
 - Fit almost all thermal cyclers.
 - All items contain tubes and caps.

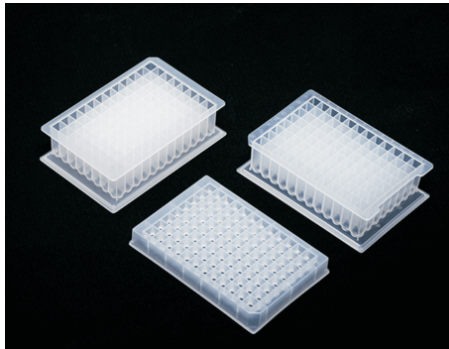
Photo	Code	Style	Volume	Color	Packaging
	TL600-0001	Single	0.1ml	Transparent	1000pcs/box , 10box/CTN
	TL600-0002	Single	0.1ml	White	1000pcs/box , 10box/CTN
	TL600-0003	Single	0.2ml	Transparent	1000pcs/box , 10box/CTN
	TL600-0004	Single	0.2ml	White	1000pcs/box , 10box/CTN



PCR TUBE 8 STRIPES

- Thin Walled Tube for Best Heat Transfer
- Made of Medical grade Polypropylene.
 - Free of DNase, RNase, DNA, PCR Inhibitor, ATP, Endotoxin. All products are ready to use in PCR.
 - Autoclavable.
 - Evaporation rate below 5%, no mineral oil needed.
 - Fit almost all thermal cyclers.
 - All items contain tubes and caps.

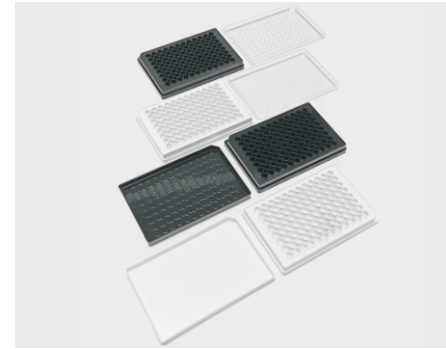
Photo	Code	Style	Volume	Color	Packaging
	TL600-1001	8 Stripes	0.1ml	Transparent	125pcs/box , 10box/CTN
	TL600-1002	8 Stripes	0.1ml	White	125pcs/box , 10box/CTN
	TL600-1003	8 Stripes	0.2ml	Transparent	125pcs/box , 10box/CTN
	TL600-1004	8 Stripes	0.2ml	White	125pcs/box , 10box/CTN



Features:

- Workshop production has been verified by a third party.
- DNase/RNase free, no enzyme contamination and free of fluorescent agents.
- Produced with medical grade polypropylene (PP) material.
- Radiation sterilization.

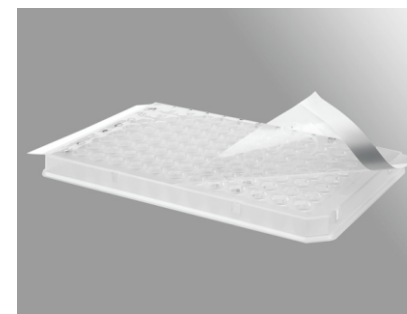
Photo	Code	Well	Style	Volume	Packaging
	TL700-0001	96wells	Round bottom	2.5ml	5pcs/bag,10bags/ctn
	TL700-0002	96wells	V bottom	2.2ml	5pcs/bag,10bags/ctn
	TL700-0003	96wells	U bottom	2.2ml	5pcs/bag,10bags/ctn
	TL700-0004	96wells	U bottom	2.2ml	5pcs/bag,10bags/ctn
	TL700-0005	96wells	V bottom	1ml	10pcs/bag,10bags/ctn
	TL700-0006	96wells	V bottom	/	10pcs/bag,10bags/ctn



Feature:

- Used in enzyme-linked immunoassay and chemiluminescence assay
- Material: High quality Polystyrene
- TC Treated
- RNase, DNase and Pyrogen Free

Code	Hole	Style	TC Treated	Color	Packaging
TL800-0001	96holes	Flat base	Yes	White cap+White base	Single hard blister package.5pcs/ctn
TL800-0002	96holes	Flat base	Yes	Black cap+Black base	Single hard blister package.5pcs/ctn
TL800-0003	96holes	Flat base	Yes	Transparent cap+White base	Single hard blister package.5pcs/ctn
TL800-0004	96holes	Flat base	Yes	Transparent cap+Black base	Single hard blister package.5pcs/ctn



SEALING FILM

- It can be used for 96-well plate, 96-well PCR amplification reaction, PCR fluorescence quantification, etc.
- Adhesive provides a tight seal over the hole to prevent leakage and evaporation.
- Sealing film is composed of a layer of transparent polypropylene film and a layer of transparent silicon based pressure sensitive adhesive.
- Temperature range: -40°C-100°C



- Reagent Reservoirs are designed to assist in repetitive or robotic liquid transfer.
- Pyramid and Trough Bottom designs promote funneling of liquid to maximize reagent recovery by pipet tips.
- Low profile is ideal for small volume robotic tips. Polypropylene offers a low binding surface to prevent samples from sticking to the side during elution, and is chemically inert for combinatorial chemistry applications.
- Available in Polystyrene as well.

Photo	Code	Volume/Well	Well QTY.	Packaging
	TL700-0001	22ml	8	5pcs/bag,10bags/ctn
	TL700-0002	15ml	12	5pcs/bag,10bags/ctn
	TL700-0003	195ml	96	5pcs/bag,10bags/ctn
	TL700-0004	185ml	384	5pcs/bag,10bags/ctn

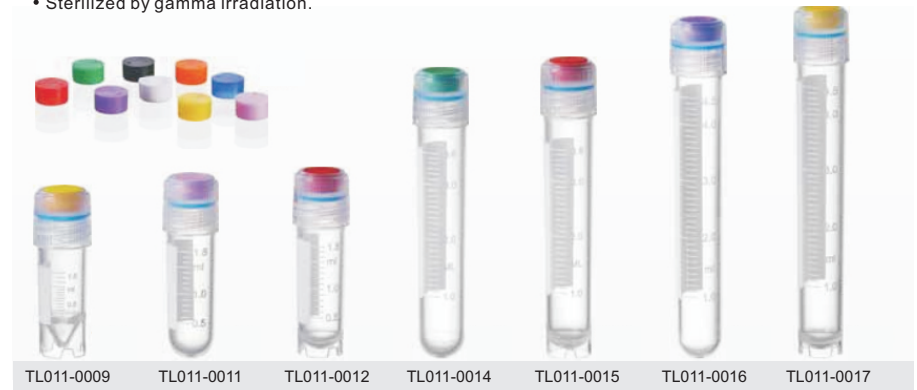


- Feature:
- Material:PS
 - Sterile
 - RNase, DNase and Pyrogen Free

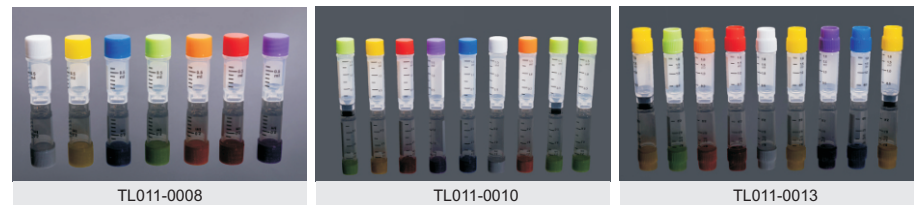
Code	Size	TC Treated	Area (cm ²)	Application	Packaging
TL010-0001	35mm	YES	9.2	Attachment culture	10pcs/bag,500pcs/ctn
TL010-0002	35mm	NO	9.2	Suspension culture	10pcs/bag,500pcs/ctn
TL010-0003	60mm	YES	26	Attachment culture	10pcs/bag,500pcs/ctn
TL010-0004	60mm	NO	9.2	Suspension culture	10pcs/bag,500pcs/ctn
TL010-0005	100mm	YES	55.8	Attachment culture	10pcs/bag,300pcs/ctn
TL010-0006	100mm	NO	55.8	Suspension culture	10pcs/bag,300pcs/ctn
TL010-0007	150mm	YES	141.8	Attachment culture	5pcs/bag,100pcs/ctn
TL010-0008	150mm	NO	141.8	Suspension culture	5pcs/bag,100pcs/ctn

- Cryogenic tube is made of medical grade polypropylene (PP) and is endotoxin-free. They are disposable laboratory consumables dedicated to storing biological samples.
- The anti-slip lines on the cap and the tube body are easy for screw.
- Built-in O-ring to prevent liquid leakage
- The cryogenic tube can be stored in the gas phase liquid nitrogen and can withstand low temperature to -196°C.
- Multiple color options for the cap.
- According to different requirements, there are ordinary grade and PCR grade. PCR-grade is free from DNA, DNase, RNase and endotoxin. Sterilized by gamma irradiation

- The cryotube uses medical grade polypropylene (PP) as raw material and is a disposable laboratory consumable dedicated to storing biological samples.
- In the gas phase liquid nitrogen (that is, in the gaseous environment above the liquid nitrogen), it can withstand low temperatures to -196°C.
- The external screw cap can reduce the chance of sample contamination
- The cap has a built-in silicone O- ring to prevent liquid leakage. When operating according to the standard, there is no bursting, good sealing and no leakage. The tightness can be guaranteed even at the lowest storage temperature, ensuring the safety of samples and laboratories.
- The cap lines makes it easy to screw the cap. The cap is equipped with a embedded small color lid for easy identification (Multiple color options).
- The cap and the tube are made of PP raw materials with the same batch and model, so the same expansion coefficient ensures sealing.
- Bar codes and double-digit codes are used for sample digital management and easy identification, and a large white area is convenient for marking.
- The curved bottom design is convenient for centralized liquid handling and reduces residue.
- According to different requirements, there are ordinary grade and PCR grade. PCR-grade is free from DNA, DNase, RNase and endotoxin. Sterilized by gamma irradiation.
- Sterilized by gamma irradiation.

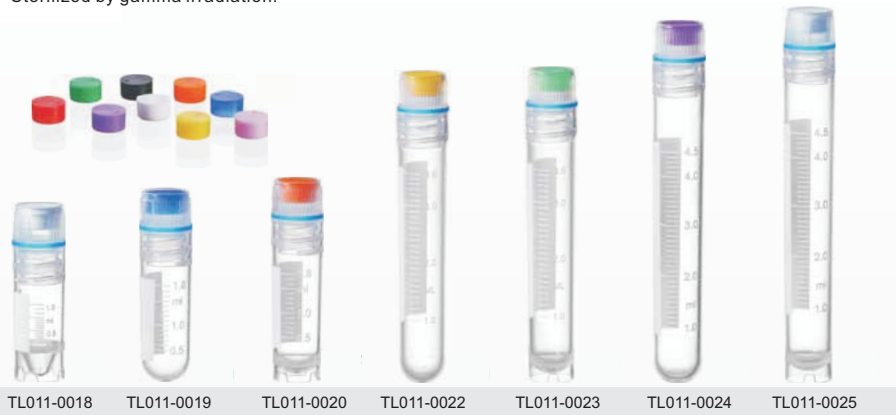


Code	Volume	Size	Cap	Base	Temp.	Packaging	Graduation	Joint Ring	Printing
TL011-0001	0.5ml	Φ 10x47mm	External Thread	Self+stanbding	-20°C-121°C	500pcs/bag,5000pcs/ctn	No	Yes	No
TL011-0002	1.5ml	Φ 10x47mm	External Thread	Self+stanbding	-20°C-121°C	500pcs/bag,5000pcs/ctn	No	Yes	No
TL011-0003	1.5ml	Φ 10x47mm	External Thread	Self+stanbding	-20°C-121°C	500pcs/bag,5000pcs/ctn	No	Yes	No
TL011-0004	2.0ml	Φ 10x47mm	External Thread	Self+stanbding	-20°C-121°C	500pcs/bag,5000pcs/ctn	No	Yes	No
TL011-0005	2.0ml	Φ 10x47mm	External Thread	Self+stanbding	-20°C-121°C	500pcs/bag,5000pcs/ctn	No	Yes	No
TL011-0006	1.8ml	Φ 12x45mm	External Thread	Self+stanbding	-20°C-121°C	500pcs/bag,5000pcs/ctn	Yes	Yes/No	Yes
TL011-0007	5.0ml	Φ 16x60mm	External Thread	Self+stanbding	-20°C-121°C	500pcs/bag,5000pcs/ctn	Yes	Yes/No	Yes



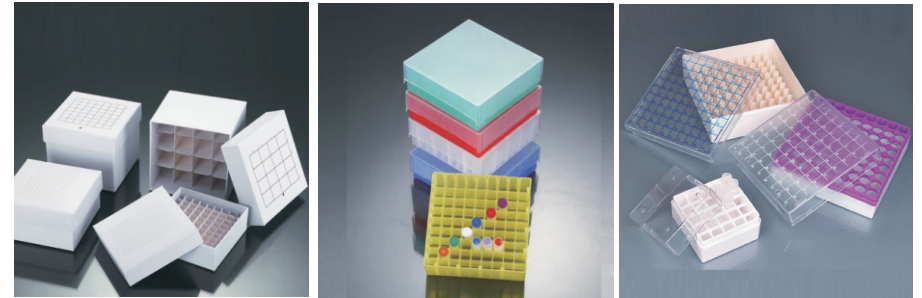
Code	Volume	Cap	Base	Temp.	Packaging	Graduation	Printing
TL011-0008	0.5ml	External Thread	Self+stanbding	-196°C-120°C	500pcs/bag,1000pcs/ctn	Yes	Yes
TL011-0009	1.0ml	External Thread	Self+stanbding	-196°C-121°C	500pcs/bag,1000pcs/ctn	Yes	Yes
TL011-0010	1.5ml	External Thread	Self+stanbding	-196°C-121°C	500pcs/bag,1000pcs/ctn	Yes	Yes
TL011-0011	1.5ml	External Thread	Round bottom	-196°C-121°C	500pcs/bag,1000pcs/ctn	Yes	Yes
TL011-0012	1.8ml	External Thread	Self+stanbding	-196°C-121°C	500pcs/bag,1000pcs/ctn	Yes	Yes
TL011-0013	1.5ml	External Thread	Self+stanbding	-196°C-121°C	500pcs/bag,1000pcs/ctn	Yes	Yes
TL011-0014	3.6ml	External Thread	Round bottom	-196°C-121°C	500pcs/bag,1000pcs/ctn	Yes	Yes
TL011-0015	3.6ml	External Thread	Self+stanbding	-196°C-121°C	500pcs/bag,1000pcs/ctn	Yes	Yes
TL011-0016	4.5ml	External Thread	Round bottom	-196°C-122°C	500pcs/bag,1000pcs/ctn	Yes	Yes
TL011-0017	4.5ml	External Thread	Self+stanbding	-196°C-123°C	500pcs/bag,1000pcs/ctn	Yes	Yes

- The cryotube uses medical grade polypropylene (PP) as raw material and is a disposable laboratory consumable dedicated to storing biological samples.
- The internal thread cryotube is specially designed for freezing samples in gas phase liquid nitrogen, and can withstand low temperatures to -196°C.
- The internal screw cap can reduce the chance of sample contamination.
- The silicone O-ring in the cap enhances the sealing, ensuring the safety of the sample and the laboratory.
- The cap lines makes it easy to screw the cap. The cap is equipped with a embedded small color lid for easy identification (Multiple color options).
- The cap and the tube are made of PP raw materials with the same batch and model, so the same expansion coefficient ensures sealing.
- Bar codes and double-digit codes are used for sample digital management and easy identification, and a large white area is convenient for marking.
- The curved bottom design is convenient for centralized liquid handling and reduces residue.
- According to different requirements, there are ordinary grade and PCR grade.
PCR-grade is free from DNA, DNase, RNase and endotoxin.
- Sterilized by gamma irradiation.



TL011-0018 TL011-0019 TL011-0020 TL011-0022 TL011-0023 TL011-0024 TL011-0025

Code	Volume	Cap	Base	Temp.	Packaging	Graduation	Printing
TL011-0018	1.0ml	Internal Thread	Self+stanbding	-196°C-121°C	500pcs/bag,5000pcs/ctn	Yes	Yes
TL011-0019	1.8ml	Internal Thread	Round bottom	-196°C-121°C	500pcs/bag,5000pcs/ctn	Yes	Yes
TL011-0020	1.8ml	Internal Thread	Self+stanbding	-196°C-121°C	500pcs/bag,5000pcs/ctn	Yes	Yes
TL011-0021	1.8ml	Internal Thread	Self+stanbding	-196°C-121°C	500pcs/bag,1000pcs/ctn	Yes	Yes
TL011-0022	3.6ml	Internal Thread	Round bottom	-196°C-121°C	500pcs/bag,2000pcs/ctn	Yes	Yes
TL011-0023	3.6ml	Internal Thread	Self+stanbding	-196°C-121°C	500pcs/bag,2000pcs/ctn	Yes	Yes
TL011-0024	4.5ml	Internal Thread	Round bottom	-196°C-121°C	500pcs/bag,2000pcs/ctn	Yes	Yes
TL011-0025	4.5ml	Internal Thread	Self+stanbding	-196°C-121°C	500pcs/bag,2000pcs/ctn	Yes	Yes



Code	Material	Hole	Adaptation	Type	Packaging	Temp.
TL012-0001	Paper	100 holes	For 1-2.0mlCryotube	Lid and base box	50pcs/ctn	/
TL012-0002	Paper	81 holes	For 1-2.0mlCryotube	Lid and base box	50pcs/ctn	/
TL012-0003	Paper	81 holes	For 1-2.0mlCryotube	Flip cap box	50pcs/ctn	/
TL012-0004	Paper	49 holes	For 5.0mlCryotube	Lid and base box	48pcs/ctn	/
TL012-0005	PP	100 holes	For 1-2.0mlCryotube	Lid and base box	50pcs/ctn	/
TL012-0006	PP	100 holes	For 1-2.0mlCryotube	Flip cap box	30pcs/ctn	/
TL012-0007	PP	81 holes	For 1-2.0mlCryotube	Flip cap box	50pcs/ctn	/
TL012-0008	PP	81 holes	For 1-2.0mlCryotube	Lid and base box	50pcs/ctn	/
TL012-0009	PP	36 holes	For 5.0mlCryotube	Lid and base box	50pcs/ctn	/
TL012-0010	PC	25 holes	For 1-2.0mlCryotube	Lid and base box	100pcs/ctn	-196°C-121°C
TL012-0011	PC	81 holes	For 1-2.0mlCryotube	Lid and base box	100pcs/ctn	-196°C-121°C
TL012-0012	PC	100 holes	For 1-2.0mlCryotube	Lid and base box	100pcs/ctn	-196°C-121°C