

A close-up, shallow depth-of-field photograph of a laboratory scene. In the foreground, a person wearing a blue nitrile glove uses a clear plastic pipette to transfer a small amount of light blue liquid into one of several small, clear glass petri dishes arranged in a tray. The background is blurred, showing more laboratory equipment and supplies.

# LAB CONSUMABLES

Guangzhou Four E's Scientific Co., Ltd  
**2021**

# Precipette™ SINGLE-CHANNEL ADJUSTABLE VOLUME PIPETTE



- Ergonomic design of low plunger pressure avoids repetitive strain injuries
- Volume range of 0.1ul -10ml
- Large 4-position volume display and high display accuracy up to 0.002ul
- Durable high-tech synthetic material provides excellent resistance to high temperature, corrosion and weather
- Reasonable structure and exquisite technology make flexible assembling and disassembling.
- Tip ejector makes easy and quick tip change
- High-elastic tip cone provides good seal and easy removal of tips
- Easy to calibrate and maintain with tools supplied
- Different volume range is identified by different color top
- Calibrated in accordance with ISO8655 and each pipette supplied with individual test certificate
- The lower section can be autoclaved

## SPECIFICATIONS:

Model	Volume Range	Increment	Maximum permissible systematic error (Inaccuracy)	Maximum permissible random error (Imprecision)	Color
LH0301001	0.1-2.0 $\mu$ l	0.002ul	2.50%	2.00%	Brown
LH0301002	0.5-10 $\mu$ l	0.01ul	1.00%	0.80%	Orange
LH0301003	2-20 $\mu$ l	0.02ul	0.90%	0.40%	Purple
LH0301004	5-50 $\mu$ l	0.05ul	0.60%	0.30%	Green
LH0301005	10-100 $\mu$ l	0.1ul	0.80%	0.15%	Dark Blue
LH0301006	20-200 $\mu$ l	0.2ul	0.60%	0.15%	Blue
LH0301007	100-1000 $\mu$ l	1ul	0.60%	0.20%	Red
LH0301008	1000-5000 $\mu$ l	5ul	0.60%	0.15%	Yellow
LH0301009	1-10ml	10ul	0.60%	0.20%	Grey



## PIPETTE STAND

- Compact design; Occupies less bench space
- Stable and reliable structure
- Compatible with all major pipette brands



## PIPETTE PUMP



- Precise aspirating and dispensing by one-hand operation
- 2ml in blue, 10ml in green and 25ml in red are available
- Resistant to acids and alkalis
- Easy to disassemble for cleaning

## PIPETTE CONTROLLER



- Works with 0.1-100mL graduated glass and plastic pipettes
- Filling and delivery are easily controlled with a small sensitive lever
- With integral and replaceable filter
- Precise pipetting control
- Blue, Green, Red, Yellow and black are available

# Pipette Controller

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# Bulk Non-filter Tips

DNase/RNase free



Model	Description	Packing
SPTS10-B	10µL, Clear, Bag	1000pcs/ bag, 20bags/ carton
SPTS10-B-L	0.5-10µL, Clear, Extended Length, Bag	1000pcs/ bag, 20bags/ carton
SPTS200-B	200µL, Yellow, Bag	1000pcs/ bag, 20bags/ carton
SPTS250(200W)-B	250µL, Clear, Bag	1000pcs/ bag, 20bags/ carton
SPTS350(200L)-B	350µL (200µL extended length), Clear, Bag	1000pcs/ bag, 20bags/ carton
SPTS1000-B	1000µL, Blue, Bag	1000pcs/ bag, 5bags/ carton
SPTS1250-B	1250µL, Blue, Bag	1000pcs/ bag, 5bags/ carton

# Racked Non-filter Tips

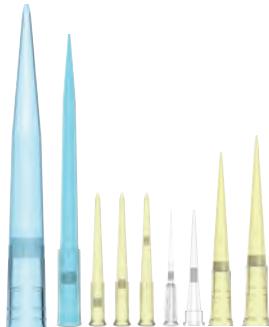
Sterile, DNase/RNase free, Non-pyrogenic



Model	Description	Packing
SPTS10-R	10µL, sterile, Clear, racked	96pcs / rack, 50racks / carton
SPTS10-R-L	0.5-10µL, sterile, Clear, extended length, racked	96pcs / rack, 50racks / carton
SPTS200-R	200µL, sterile, Yellow, racked	96pcs / rack, 50racks / carton
SPTS250(200W)-R	250µL, sterile, Clear, racked	96pcs / rack, 50racks / carton
SPTS350(200L)-R	350µL (200µL extended length), sterile, Clear, racked	96pcs / rack, 50racks / carton
SPTS1000-R	1000µL, sterile, Blue, racked	96pcs / rack, 50racks / carton
SPTS1250-R	1250µL, sterile, Blue, racked	96pcs / rack, 50racks / carton

# Bulk Filter Tips

DNase/RNase free, Non-pyrogenic, With filter



# Racked Filter Tips

DNase/RNase free, Non-pyrogenic, With filter



Model	Description	Packing
SPPFT10-B	10µL, with filter, clear, bag	1000pcs/ bag, 20bags/ carton
SPPFT10-B-L	0.5-10µL, extended length, clear, bag	1000pcs/ bag, 20bags/ carton
SPPFT20-B	20µL, with filter, yellow, bag	1000pcs/ bag, 20bags/ carton
SPPFT50-B	50µL, with filter, yellow, bag	1000pcs/ bag, 20bags/ carton
SPPFT100-B	100µL, with filter, yellow, bag	1000pcs/ bag, 20bags/ carton
SPPFT200-B	200µL, with filter, yellow, bag	1000pcs/ bag, 20bags/ carton
SPPFT300-B	300µL, with filter, yellow, bag	1000pcs/ bag, 20bags/ carton
SPPFT1000-B	1000µL, with filter, blue, bag	1000pcs/ bag, 5bags/ carton
SPPFT1250-B	1250µL, with filter, blue, bag	1000pcs/ bag, 5bags/ carton

Model	Description	Packing
SPPFT10-R	10µL, sterile, with filter, clear, racked	96pcs/ rack, 50racks/ carton
SPPFT10-R-L	0.5-10µL, sterile, with filter, clear, extended length, racked	96pcs/ rack, 50racks/ carton
SPPFT20-R	20µL, sterile, with filter, yellow, racked	96pcs/ rack, 50racks/ carton
SPPFT50-R	50µL, sterile, with filter, yellow, racked	96pcs/ rack, 50racks/ carton
SPPFT100-R	100µL, sterile, with filter, yellow, racked	96pcs/ rack, 50racks/ carton
SPPFT200-R	200µL, sterile, with filter, clear, racked	96pcs/ rack, 50racks/ carton
SPPFT300-R	300µL, sterile, with filter, clear, racked	96pcs/ rack, 50racks/ carton
SPPFT500-R	500µL, sterile, with filter, blue, racked	96pcs/ rack, 50racks/ carton
SPPFT1000-R	1000µL, sterile, with filter, blue, racked	96pcs/ rack, 50racks/ carton
SPPFT1250-B	1250µL, sterile, with filter, blue, racked	96pcs/ rack, 50racks/ carton

# Low Retention Bulk Non-filter Tips

DNase/RNase free, Non-pyrogenic, low-retention



Model	Description	Packing
SPTS10-B-D	10µL, low retention, clear, bag	1000pcs/ bag, 20bags/ carton
SPTS10-B-D-L	0.5-10µL, low retention, extended length, clear, bag	1000pcs/ bag, 20bags/ carton
SPTS200-B-D	200µL, low retention, clear, bag	1000pcs/ bag, 20bags/ carton
SPTS250(200W)-B-D	250µL, low retention, clear, bag	1000pcs/ bag, 20bags/ carton
SPTS350(200L)-B-D	350µL(200µL extended length), low retention, clear, bag	1000pcs/ bag, 20bags/ carton
SPTS1000-B-D	1000µL, low retention, clear, bag	1000pcs/ bag, 5bags/ carton
SPTS1250-B-D	1250µL, low retention, clear, bag	1000pcs/ bag, 5bags/ carton

# Low Retention Racked Non-filter Tips

Sterile, DNase/RNase free, Non-pyrogenic,  
Low-retention



Model	Description	Packing
SPTS10-R-D	10µL, Isterile, low retention, clear, racked	96pcs / rack, 50racks / carton
SPTS10-R-D-L	0.5-10µL, sterile, low retention, clear, extended length, racked	96pcs / rack, 50racks / carton
SPTS200-R-D	200µL, sterile, low retention, clear, racked	96pcs / rack, 50racks / carton
SPTS250(200W)-R-D	250µL, sterile, low retention, clear, racked	96pcs / rack, 50racks / carton
SPTS350(200L)-R-D	350µL(200µL extended length), sterile, low retention, clear, racked	96pcs / rack, 50racks / carton
SPTS1000-R-D	1000µL, sterile, low retention, clear, racked	96pcs / rack, 50racks / carton
SPTS1250-R-D	1250µL, sterile, low retention, clear, racked	96pcs / rack, 50racks / carton

## Low Retention Racked Filter Tips

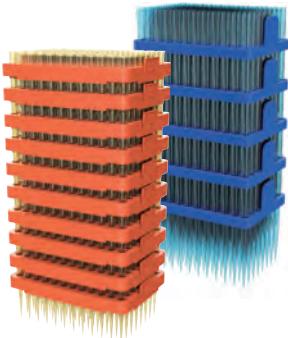
Sterile, DNase/RNase free, Non-pyrogenic, low-retention, With filter



Model	Description	Packing
SPPFT10-R-D	10µL, sterile, low retention, clear, racked	96pcs / rack, 50racks / carton
SPPFT10-R-D-L	0.5-10µL, sterile, low retention, clear, extended length, racked	96pcs / rack, 50racks / carton
SPPFT200-R-D	1-200µL, sterile, low retention, clear, racked	96pcs / rack, 50racks / carton
SPPFT300-R-D	1-300µL, sterile, low retention, clear, racked	96pcs / rack, 50racks / carton
SPPFT1000-R-D	1000µL, sterile, low retention, clear, racked	96pcs / rack, 50racks / carton
SPPFT1250-R-D	1250µL, sterile, low retention, clear, racked	96pcs / rack, 50racks / carton

## Stacked Refill Tips

Sterile, DNase/RNase free, Non-pyrogenic



Model	Description	Packing
SPTS10-S	Stacked Refill, 10µL, Sterile, 96 pcs/ layer, 10 layers/ stack	960 pcs/ stack 10 stacks/ carton
SPTS200-S	Stacked Refill, 200µL, Sterile, 96 pcs/ layer, 10 layers/ stack	960 pcs/ stack, 10 stacks/ carton
SPTS1250-S	Stacked Refill, 1250µL, Sterile, 96 pcs/ layer, 5 layers/ stack	480 pcs/ stack, 10 stacks/ carton

# Conductive tips (Tecan)

Used with Tecan Freedom EVO; Cavro workstation.  
DNase/RNase free, Non-pyrogenic, Conductive, Black



Model	Description	Packing
SPCT200-BB	200µL, sterile, hanging rack	96pcs / rack, 24racks / carton
SPCFT200-BB	200µL, with filter, sterile, hanging rack	96pcs / rack, 24racks / carton
SPCT200-R	200µL, with filter, sterile, racked	96pcs / rack, 50racks / carton
SPCFT200-R	200µL, filter, sterile, racked	96pcs / rack, 50racks / carton
SPCT1000-BB	1000µL, sterile, hanging rack	96pcs / rack, 24racks / carton
SPCFT1000-BB	1000µL, with filter, sterile, hanging rack	96pcs / rack, 24racks / carton
SPCFT1000-R	1000µL, with filter, sterile, racked	96pcs / rack, 24racks / carton

Syringe Tip Compatibility Chart

## Sample Vials and Closures



Model	8mm 2mL Screw top vial; Amber glass; Black screw cap	Model	8mm 2mL Screw top vial; Clear glass; Black screw cap
SV-28-A1	White PTFE/red Silicone Septa	SV-28-C1	White PTFE/red Silicone Septa
SV-28-A2	Red PTFE/white Silicone Septa	SV-28-C2	Red PTFE/white Silicone Septa
SV-28-A3	Blue PTFE/white Silicone Septa	SV-28-C3	Blue PTFE/white Silicone Septa
SV-28-A4	Clear PTFE/red Silicone Septa	SV-28-C4	Clear PTFE/red Silicone Septa
SV-28-A5	Pre-slit white PTFE/red Silicone Septa	SV-28-C5	Pre-slit white PTFE/red Silicone Septa
SV-28-A6	Pre-slit red PTFE/white Silicone Septa	SV-28-C6	Pre-slit red PTFE/white Silicone Septa
SV-28-A7	Pre-slit blue PTFE/white Silicone Septa	SV-28-C7	Pre-slit blue PTFE/white Silicone Septa



Model	9mm 2mL Screw top vial; Amber glass; Blue screw cap	Model	9mm 2mL Screw top vial; Clear glass; Blue screw cap
SV-29-A1	White PTFE/red Silicone Septa	SV-29-C1	White PTFE/red Silicone Septa
SV-29-A2	Red PTFE/white Silicone Septa	SV-29-C2	Red PTFE/white Silicone Septa
SV-29-A3	Blue PTFE/white Silicone Septa	SV-29-C3	Blue PTFE/white Silicone Septa
SV-29-A4	Clear PTFE/red Silicone Septa	SV-29-C4	Clear PTFE/red Silicone Septa
SV-29-A5	Pre-slit white PTFE/red Silicone Septa	SV-29-C5	Pre-slit white PTFE/red Silicone Septa
SV-29-A6	Pre-slit red PTFE/white Silicone Septa	SV-29-C6	Pre-slit red PTFE/white Silicone Septa
SV-29-A7	Cross pre-slit red PTFE/white Silicone Septa	SV-29-C7	Cross pre-slit red PTFE/white Silicone Septa
SV-29-A8	Pre-slit blue PTFE/white Silicone Septa	SV-29-C8	Pre-slit blue PTFE/white Silicone Septa

## Micro Inserts



Clear glass



Conical bottom

MI-200	MI-150	MI-300	MI-250
200uL	150uL	300uL	250uL
Compatible with 8mm 2mL Screw top vials		Compatible with 9mm 2mL Screw top vials	
/	with mandrel interior & polymer feet	/	with mandrel interior & polymer feet

## Crimp Top Vials

Aluminium crimp top vials ensure the tightest seal, reducing the possibility of sample evaporation

Models	CCV-5	CCV-10	CCV-15	CCV-20
Clear glass	5mL	10mL	15mL	20mL

Models	CAV-5	CAV-10	CAV-15	CAV-20
Amber glass	5mL	10mL	15mL	20mL



## PES syringe filters

Have superior performance to prevent leak of sample solvent and can promise membrane area being used in a large filtration area.

## PES (Polyether sulfone)

A hydrophilic membrane that has very low protein binding and high flow characteristics membrane.

## PTFE syringe filters

Have superior performance to prevent leak of sample solvent and can promise membrane area being used in a large filtration area.

## The PTFE (Polytetrafluoroethylene)

A hydrophobic membrane is chemically resistant to all solvents, acids and bases. The membrane is very low in extractables and has an excellent thermal stability.



SY33-S	SY25-S	SY13	SY25
0.22 $\mu$ m	0.22 $\mu$ m	0.22 $\mu$ m	0.22 $\mu$ m
33mm	25mm	13mm	25mm
PES	PES	PTFE	PTFE
Syringe filter, Sterile	Syringe filter, Sterile	Syringe filter	Syringe filter
Individual packaging	Individual packaging	Hydrophobic	Hydrophobic

## Reagent Bottle

- Blue caps are autoclavable at 140°C, made of PP material
- Good sealed ring avoids leakage
- Made from Borosilicate 3.3, high hardness and high transparency
- Clear scale is easy to observe the volume
- Marking space for clear identification
- Various volume options

Product name	Reagent Bottle/ Wide Mouthed Bottle(GL45)			
Model	LTB100	LTB200	LTB500	LTB1000
Volume	100mL	200mL	500mL	1000mL
Material	High Borosilicate 3.3			
Bottle mouth	GL45			
Color	Clear			
Graduated	Yes			
Lid	Blue lid			
Material of Lid	PP			
Max temperature for Lid	140 °C			
Usage	Sample / Reagent storage			



## Microscope Slides & Cover



The SCG series microscope slides kit made of high-transparency optical glass, good for ordinary microscopes, suitable for biology education & student laboratories.  
Easy to observe biological specimens under the microscope, including biological specimens and plant specimens, etc. . They are also perfect items to start the kid's curiosity journey.

- **Standard Size**

Microscope Slides-(1"x3")25.4mm x 76.2mm | Cover Glass-(7/8"x7/8")22mm x 22mm

- **Quality Material**

Optical glass with high transparency, providing an excellent clarity

- **Fine and Safe**

Each slide is separated by thin paper in order to prevent scraping in between

- **Widely Used**

Perfect for biology education, student laboratories, and observing biological specimens with a microscope



### Specification:

Product Name	Microscope slides	Cover glass
Material	Glass	Glass
Size	25.4x 76.2mm (1" x 3")	22 x 22 mm (0.86" x 0.86")
Thick	1-1.2mm (0.04")	0.15mm (0.00586")
Quantity in a inner box	50pcs	100pcs
Inner box size	8.2 x 8 x 3 cm	3 x 3 x 2 x2.5 cm
Inner box Weight	264g	25g

# Cell Culture



## Cell Culture Dish

- High clarity (optical clarity for microscopy), 100% virgin polystyrene
- Non-Pyrogenic, DNase/RNase-FREE
- Sterilized
- Surface Treatment: Tissue Culture (TC) treated



Item	Model	Size	Packing Details
1	SPCD100	100mm x 10mm	10 pcs/sleeve 30 sleeves/Carton
2	SPCD60	60mm x 15mm	10 pcs/sleeve 50 sleeves/Carton
3	SPCD35	35mm x 10mm	20 pcs/sleeve 25 sleeves/Carton

## Cell Culture Plate

- High clarity (optical clarity for microscopy) 100% virgin polystyrene
- Non-Pyrogenic, DNase/RNase-FREE
- Sterilized
- Surface Treatment: Tissue Culture (TC) treated



Item	Model	Wells	Packing Details
4	SPCP6	6 Wells	1pcs/ bag, 50 bags/ carton
5	SPCP12	12 Wells	1pcs/ bag, 50 bags/ carton
6	SPCP24	24 Wells	1pcs/ bag, 50 bags/ carton
7	SPCP48	48 Wells	1pcs/ bag, 50 bags/ carton
8	SPCP96	96 Wells	1pcs/ bag, 65 bags/ carton

## Cell Culture Flask

- High clarity (optical clarity for microscopy), 100% virgin polystyrene
- Non-Pyrogenic, DNase/RNase-FREE
- Sterilized
- Surface Treatment: Tissue Culture (TC) treated
- Vent cap(membrane filter cap)

With breathable 0.22μm hydrophobe membrane, beneficial to air exchange, prevents microbial contamination.



Item	Model	Size	Packing Details
9	SPCF25	25 cm <sup>2</sup>	12 pcs/ bag, 25 bags/ carton
10	SPCF75	75 cm <sup>2</sup>	5pcs/ bag, 18 bags/ carton
11	SPCF175	175 cm <sup>2</sup>	5pcs/ bag, 10 bags/ carton

## Centrifuge Tube



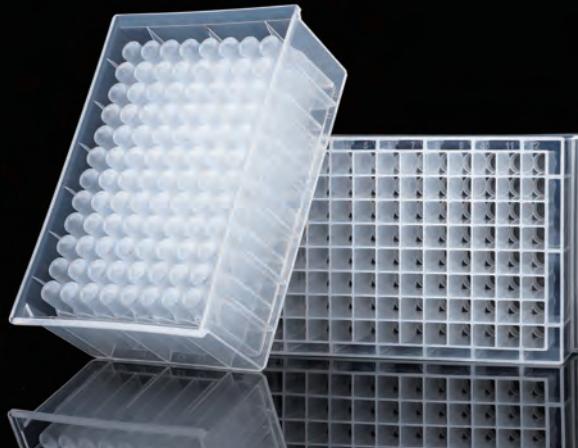
- Conical, Graduated, Write-on Spot, Non-Pyrogenic, DNase/RNase free, Sterile
- Adapt to wide temperature range from -80°C to 120°C
- No deformation after autoclave sterilization.
- Maximum RCF: 12000xg

Model	Volume	Packing Details
SPCT15	15mL	25pcs/bag 20bags/Carton
SPCT50	50mL	25pcs/bag 20bags/Carton

## Deep Well Plat

### 96 Deep-Well Plate

- 2.2mL, for use with kingfisher flex purification system
- Made of polypropylene (PP). Non-sterilized, sterilized are available.
- 1-12, A-H number indication for easy identification
- With V shape bottom design



Model	DWP16	DWPS-96
Material	Polypropylene	Polypropylene
Color	Transparent	Transparent
Bottom design	V bottom	V bottom
Graduated Increment	1ml	1ml
Capacity	2.2mL	2.2mL
Sterile	Non-sterilized	Sterilized
Packing	7pcs/PE bag, 8 bags/case	7pcs/PE bag, 8 bags/case

## 3mL Transfer Pipette

These 3ml disposable pipettes are great choice to transfer all kinds of liquid. They are pliable and easy to use. Clear mark of 1ml, 2ml, 3ml for reading accurately. They are widely used in laboratories, chemistry, microbiology, personal beauty, essential oils, perfume, DIY mixtures.

- High Safety & Quality**

Made of Polyethylene, non-toxic and harmless

- Easy to use**

Extremely pliable and strong suction provides easy transfer

- Graduated**

Graduated by 1ml, 2ml, 3ml on the clear disposable pipette, which can accurately measure the corresponding volume of liquid; the increment is 1ml

- Multiple Applications**

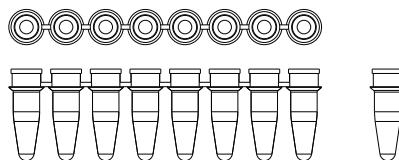
The disposable pipette is a great choice for lab science, essential oil transfer, DIY beauty products, art projects, lip balm making, crafts, aromatherapy blends, scale model paints and etc.

Model	DTP3	DTP3-2	DTP3-2
Capacity	3mL	3mL	3mL
Material	Polyethylene	Polyethylene	Polyethylene
Graduated Increment	1mL	1mL	1mL
Color	Clear	Clear	Clear
Sterile	Non-sterilized	Non-sterilized	Sterilized
Thickness	thicker wall	thinner wall	Standard
Packing	100pcs/bag; 100bags/case	100pcs/bag; 100bags/case	Individually packed 100pcs/bag; 50bags/case



## PCR 8-strip

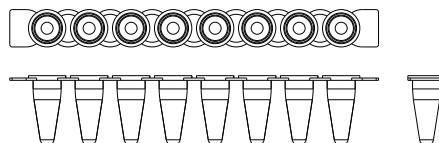
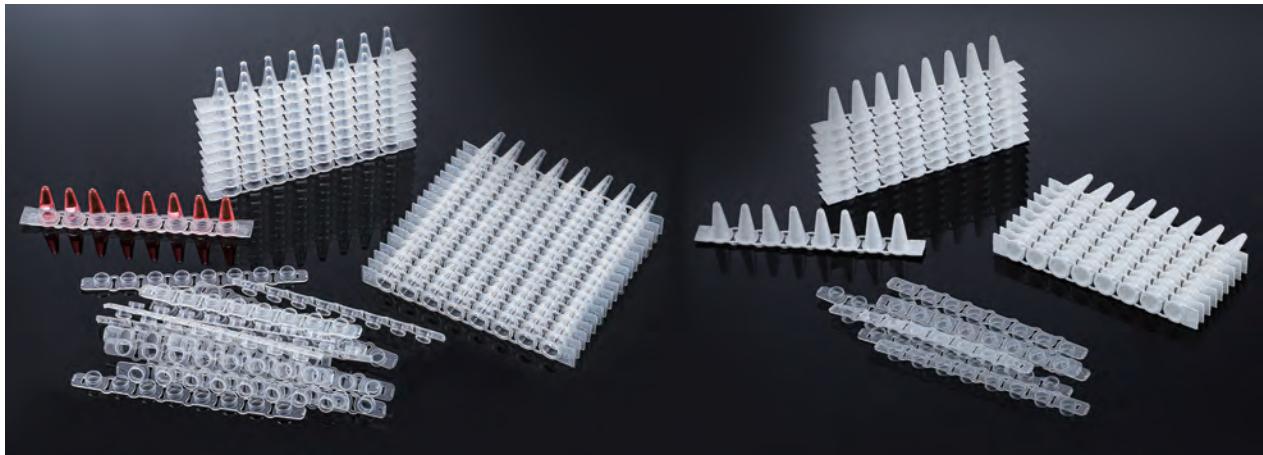
Normally non-sterile, radiation-sterile if needed, but the tube will turn brown



Model	Description	Packing
PCRT02-1	Type A - PCR 8-strip, 0.2mL, Unattached Optical Flat Caps, Transparent	125 strips/bag, 10 bags/box
PCRT02-2	Type A - PCR 8-strip, 0.2mL, Unattached Optical Flat Caps, White	125 strips/bag, 10 bags/box

## PCR 8-strip

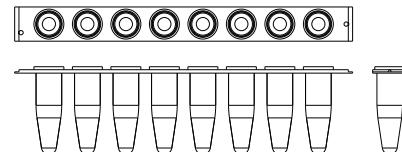
Normally non-sterile, radiation-sterile if needed, but the tube will turn brown



Model	Description	Packing
PCRT01-T	Type A - PCR 8-strip, 0.1mL, Unattached Optical Flat Caps, Transparent	125 strips/bag, 10 bags/box
PCRT01-W	Type A - PCR 8-strip, 0.1mL, Unattached Optical Flat Caps, White	125 strips/bag, 10 bags/box

## PCR 8-strip

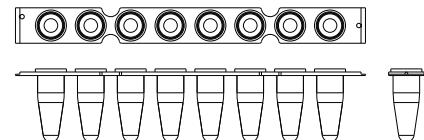
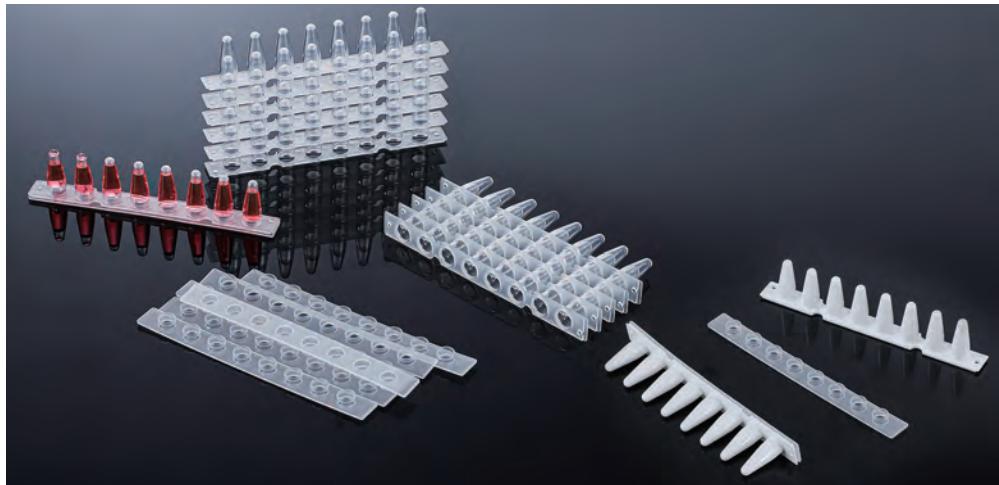
Normally non-sterile, radiation-sterile if needed, but the tube will turn brown



Model	Description	Packing
PCRT02-3	Type B - PCR 8-strip, 0.2mL, Unattached Optical Flat Caps, Transparent	125 strips/bag, 10 bags/box
PCRT02-4	Type B - PCR 8-strip, 0.2mL, Unattached Optical Flat Caps, White	125 strips/bag, 10 bags/box

## PCR 8-strip

Normally non-sterile, radiation-sterile if needed, but the tube will turn brown



Model	Description	Packing
PCRT01-3	Type B - PCR 8-strip, 0.1mL, Unattached Optical Flat Caps, Transparent	125 strips/bag, 10 bags/box
PCRT01-4	Type B - PCR 8-strip, 0.1mL, Unattached Optical Flat Caps, White	125 strips/bag, 10 bags/box

## PCR 96-well Plate

Normally non-sterile, radiation-sterile if needed, but the plate will turn brown

Notes: 1. PCR plate comes with Alphanumeric grid or alphanumerical coding in black.

2. Free of RNase-, DNase-, DNA-free, and PCR inhibitors.



Model	Description	Packing
PCRP02-1	PCR 96-well Plate, 0.2mL, Semi-skirted, Transparent	10 plates/bag, 5 bags/box
PCRP02-2	PCR 96-well Plate, 0.2mL, Non-skirted, Transparent	10 plates/bag, 5 bags/box
PCRP02-3	PCR 96-well Plate, 0.2mL, Non-skirted, White	10 plates/bag, 5 bags/box
PCRP01-1	PCR 96-well Plate, 0.1mL, Non-skirted, Transparent	10 plates/bag, 5 bags/box
PCRP01-2	PCR 96-well Plate, 0.1mL, Non-skirted, White	10 plates/bag, 5 bags/box
PCRP02-4	PCR 96-well Plate, 0.2mL, Semi-skirted, Transparent, black alphanumeric coding	10 plates/bag, 5 bags/box
PCRP02-5	PCR 96-well Plate, 0.2mL, Non-skirted, Transparent, black alphanumeric coding	10 plates/bag, 5 bags/box
PCRP01-3	PCR 96-well Plate, 0.1mL, Semi-skirted, Transparent (Special for Roche PCR)	10 plates/bag, 5 bags/box
PCRP01-4	PCR 96-well Plate, 0.1mL, Semi-skirted, White (Special for Roche PCR)	10 plates/bag, 5 bags/box
PCRP01-5	PCR 96-well Plate, 0.1mL, Semi-skirted, Transparent (For ABI PCR)	10 plates/bag, 5 bags/box
PCRP02-6	PCR 96-well Plate, 0.2mL, Semi-skirted, Transparent (For ABI PCR)	10 plates/bag, 5 bags/box