



PCR Tubes

The disposable PCR tube of JET BIOFIL, with a capacity of 0.2 mL, is made of polypropylene (PP) raw materials conforming to USP Class VI standard. When used as the carrier of PCR amplification system, it can withstand repeated high and low temperature settings. For low and medium flux PCR/qPCR experiments, the disposable PCR tube is an ideal solution.

Specification: 8-tube strip, single-tube Color: Transparent, White
Material: Polypropylene (PP), conforming to USP Class VI standards

Product Features

- Thin tube wall design, uniform thickness, rapid and uniform heat transfer, reliable results and strong repeatability.
- Support high-RCF centrifugation (10000g), autoclaving sterilization (121°C, 20 min) and other operations.
- The tube cap is well matched with the body, featuring a strong sealing performance. This can effectively reduce the evaporation rate.
- Different marks at the head and end of the joint cap for easy identification of direction.
- Transparent and white are available. The white PCR tube can effectively read a low-signal fluorescence value and reduce background fluorescence interference, which is more suitable for qPCR experiments.
- DNase/RNase-free, human-derived DNA-free, PCR inhibitor-free, ATP-free, pyrogen-free.



Thin tube wall design, uniform thickness



The tube cap is well matched with the body, good sealing



Different marks at the head and end of the joint cap for easy identification of direction



White PCR tubes

Ordering Information

Cat. No.	Description	Color	Sterile	Qty. Per Bag/Case
PCR410200	0.2mL PCR Tubes with Flat Cap, Single	Transparent	N	1000/10000
PCR420200	0.2mL PCR Tubes with Flat Cap, 8 Strips	Transparent	N	125/1250
PCR411200	0.2mL PCR Tubes with Flat Cap, Single	Transparent	Y	1000/10000
PCR421200	0.2mL PCR Tubes with Flat Cap, 8 Strips	Transparent	Y	125/1250
PCR520200	0.2mL PCR Tubes with Flat Cap, 8 Strips	White	Y	125/1250
PCR620200	0.2mL, PCR tubes with single lid, 8 strips	Transparent	N	125/1250
PCR621200	0.2mL, PCR tubes with single lid, 8 strips	Transparent	Y	125/1250

PCR Plate Sealing Film

JET BIOFIL's PCR plate sealing film can be used for routine 96-well PCR experiment, qPCR experiment, sample storage, etc.. Two types of common PCR microplate sealers and qPCR microplate sealers are available:

Common PCR Plate Sealing Film:

Material: composed of PP material conforming to USP Class VI standard in the upper layer and medical grade adhesive in the lower layer

Thickness of sealing film: 50 μm
Temperature tolerance range: -80°C to 121°C

- Economical and easy to use, suitable for mainstream PCR plates
- Good sealing, low evaporation, prevents cross-contamination of samples between wells

qPCR Plate Sealing Film:

Material: The qPCR plate sealing film is composed of a layer of high-transparency PP sealer conforming to USP Class VI standard and medical grade adhesive

Thickness of adhesive sealer: 50 μm
Temperature tolerance range: -80°C to 121°C

- Innovative adhesives ensure a safe seal without sticking to skin and gloves
- Good sealing, low evaporation, prevents cross-contamination of samples between wells
- No autofluorescence, suitable for fluorescent quantitative PCR

Ordering Information

Cat. No.	Type	Specification (length mm * width mm)	Sterile	Qty. Per Box/Case
PCR400001	PCR	137.5*82	N	100/1000
PCR401001	PCR	137.5*82	Y	100/1000
PCR400003	qPCR	140*80	N	100/1000
PCR401003	qPCR	140*80	Y	100/1000

Recommended storage conditions: 10°C-27°C, 40%-60% relative humidity

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Stock Code: 688026

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PCR Consumables



Guangzhou Jet Bio-Filtration Co., Ltd.



For the past 20 years, JET BIOFIL has been committed to providing you with total biological laboratory solutions. To ensure the superior quality of our PCR products, we have adopted a variety of strategies:

- ✓ Careful product design and precision mold manufacturing
- ✓ Use of raw materials that meet USP Class VI standards
- ✓ Automated production in a Class 100,000 clean room
- ✓ ISO 13485 (medical device quality management system) / ISO 9001 certification / ISO 14001 certification
- ✓ U.S. FDA registered company (registration number: 3011966385)
- ✓ Obtained EU CE filing
- ✓ Each product's smallest package is marked with a lot number for accurate quality traceability

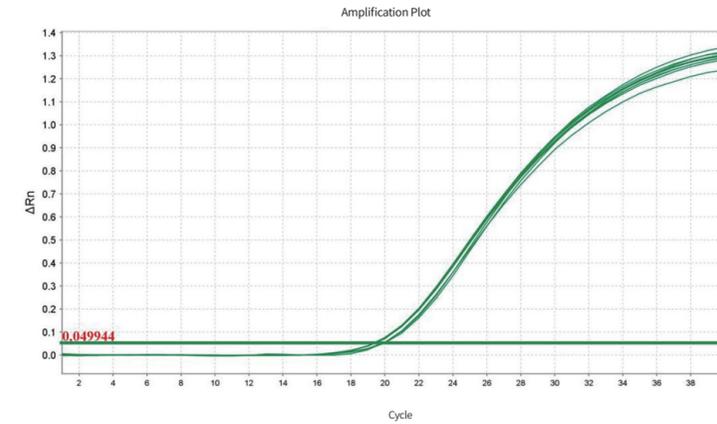
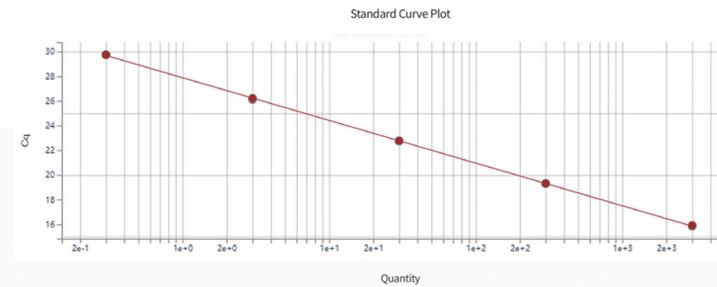


Fig1. real-time PCR Amplification Curves
1) High reproducibility of test sample amplification results



Slop: -3.461 Y-inter: 27.884 Eff%: 94.51% Error: 0.011
Fig2. real-time PCR Standard Curves (R²=1)
2) High linearity of test samples without PCR inhibition

Quality certification of JET BIOFIL PCR Products

JET BIOFIL PCR Clean Test Standard

For nucleic acid experimental operations (e.g. nucleic acid extraction, purification, PCR, qPCR, etc.), JET BIOFIL products that pass PCR clean test can be used for nucleic acid related experimental operations, and the product quality is guaranteed.

PCR clean products meet the following standards (PCR Clean Certified):

- ✓ Human DNA-free (<0.03pg/μL)
- ✓ DNase-free (<1*10⁴ Kunitz units)
- ✓ RNase-free (<1*10³ Kunitz units)
- ✓ Pyrogen- / Cytotoxicity-free (<0.03EU/mL)
- ✓ PCR Inhibitor-free (<2 Cycle Offsets)
- ✓ ATP-free (1*10⁻¹²mmol/μL)



JET BIOFIL Sterile Quality Test Standard

In order to minimize the impact of consumables pollution and meet more stringent analysis requirements, the sterile quality test standards constructed by JET BIOFIL not only meets the production conditions of high cleanliness, but also must undergo sterilization treatment.

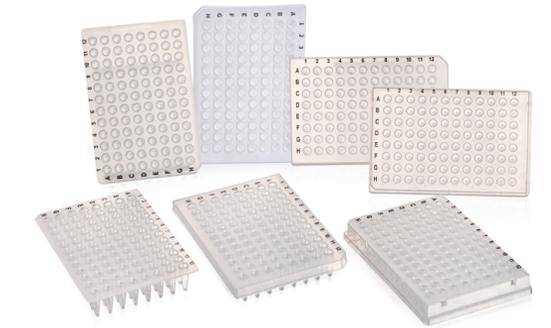
Sterile quality products meet the following standards (Sterile Certified):

- ✓ Sterile (Conforming to ISO11137 standard, SAL<10⁻⁶)
- ✓ DNase-free (<1*10⁶ Kunitz units)
- ✓ Pyrogen- / Cytotoxicity-free (<0.03 EU/mL)
- ✓ RNase-free (<1*10³ Kunitz units)



PCR Plates

PCR plate is the carrier of an amplification reaction system in Polymerase Chain Reaction (PCR) experiment, which is widely used in genetics, biochemistry, immunology, medicine and other fields. The raw materials of PCR plate of JET BIOFIL is conforming to USP Class VI standard. The plate surface is flat, firm and not easy to deform. The thin wall design of the tube body features a good thermal conductivity and ensures high-efficiency PCR reaction.



Specification: 96-well with non-skirted, 96-well with a semi-skirted, 96-well with fully skirted

Capacity: 0.2 mL Color: Transparent, white

Material: Polypropylene (PP), conforming to USP Class VI

Product Features

- ◇ Thin tube wall design, uniform thickness, rapid and uniform heat transfer, reliable results and strong repeatability.
- ◇ The plate surface is flat and firm, resistant to warping, and remains reliable and non-deformable in automation, high temperature and high pressure (121°C, 20 min), high-speed centrifugation (2000×g) and other operations.
- ◇ The edge of the wells is protruding to prevent cross-contamination and to facilitate sealing, which can effectively reduce the evaporation of samples after sealing.
- ◇ Black letter marking to help quickly identify and traceability samples when manually adding samples.
- ◇ Transparent and white are available. The white PCR plate can effectively read a low-signal fluorescence value, reduce background fluorescence interference and more suitable for qPCR experiments.
- ◇ The plate type conforms to SBS/ANSI international standards, high adaptability, compatible with many mainstream brands of PCR/qPCR instruments.
- ◇ Each well is tested for 100% leak tightness to ensure safe sample handling.
- ◇ Human-derived DNA-free, DNase/RNase-free, pyrogen-free, PCR inhibitor-free, ATP-free.



Thin tube wall design, uniform thickness



The edge of the wells is protruding to prevent cross-contamination and to facilitate sealing



Black letter marking



White PCR plate

Ordering Information

Cat. No.	Capacity (mL)	Specification(Well)	Skirted	Color	Sterile	Qty. Per Box/Case
PCR400096	0.2	96	Non-skirted	Transparent	N	10/100
PCR410096	0.2	96	Semi-skirted	Transparent	N	10/100
PCR420096	0.2	96	Fully skirted	Transparent	N	10/100
PCR401096	0.2	96	Non-skirted	Transparent	Y	10/100
PCR411096	0.2	96	Semi-skirted	Transparent	Y	10/100
PCR421096	0.2	96	Fully skirted	Transparent	Y	10/100
PCR500096	0.2	96	Non-skirted	White	Y	10/100
PCR510096	0.2	96	Semi-skirted	White	Y	10/100
PCR520096	0.2	96	Fully skirted	White	Y	10/100

