

## Premium PCR Consumables Series

### PCR Plates

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

- **Specification:** 96-well non-skirted, 96-well semi-skirted, 96-well skirted
- **Capacity:** 0.2 mL/well
- **Color:** Transparent, white
- **Material:** Polypropylene (PP), conforming to USP Class VI standards



### 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 automated, high temperature and high pressure (121°C, 20 min) processes, high-speed centrifugation (2000 ×g) and other operations.
- The edge of the wells protrude to prevent cross-contamination and to facilitate sealing, which can effectively reduce the evaporation of samples after sealing.
- Black letter markings to help quickly identify and trace samples when manually adding samples.
- Transparent and white plates are available. The white PCR plate is good for reading low-signal fluorescence values, reduce background fluorescence interference, and are more suitable for qPCR experiments.
- The plate type conforms to SBS/ANSI international standards; high adaptability and 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.

# General Labware



Thin tube wall design,  
uniform thickness



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



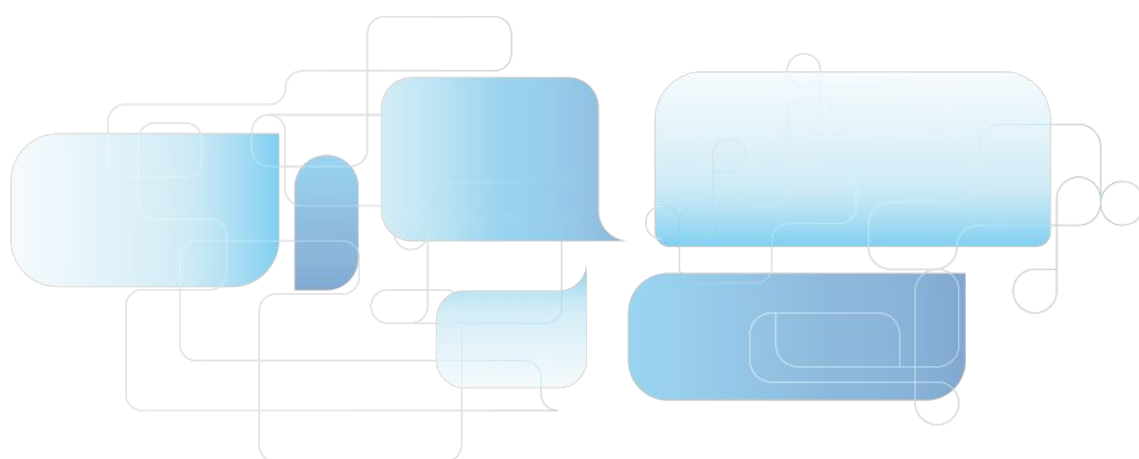
Black letter marking



White PCR plate

## Ordering information

| Product Code   | Capacity(mL) | Specification(Well) | Skirted       | Color       | Sterile | Qty.Per Box | Qty. Per Case |
|----------------|--------------|---------------------|---------------|-------------|---------|-------------|---------------|
| PLAJPCRD00096A | 0.2          | 96                  | Non-skirted   | Transparent | N       | 10          | 100           |
| PLAJPCRD10096A | 0.2          | 96                  | Semi-skirted  | Transparent | N       | 10          | 100           |
| PLAJPCRD20096A | 0.2          | 96                  | Fully skirted | Transparent | N       | 10          | 100           |
| PLAJPCRD01096A | 0.2          | 96                  | Non-skirted   | Transparent | Y       | 10          | 100           |
| PLAJPCRD11096A | 0.2          | 96                  | Semi-skirted  | Transparent | Y       | 10          | 100           |
| PLAJPCRD21096A | 0.2          | 96                  | Fully skirted | Transparent | Y       | 10          | 100           |
| PLAJPCRE00096A | 0.2          | 96                  | Non-skirted   | White       | Y       | 10          | 100           |
| PLAJPCRE10096A | 0.2          | 96                  | Semi-skirted  | White       | Y       | 10          | 100           |
| PLAJPCRE20096A | 0.2          | 96                  | Fully skirted | White       | Y       | 10          | 100           |



## PCR Tubes

The disposable PCR tube of GVS, with a capacity of 0.2 mL, is made of polypropylene (PP) conforming to USP Class VI standards. When used as the carrier of a PCR amplification system, it can repeatedly withstand high and low temperatures. For low-and medium-throughput 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



## Features

- Thin tube wall design, uniform thickness, rapid and uniform heat transfer, reliable results and strong repeatability.
- Support high-RCF centrifugation (10000 ×g), autoclave sterilization (121°C, 20 min) and other operations.
- The tube cap fits perfectly with the body, ensuring a strong sealing performance. This effectively reduces the evaporation rate.
- Different markings at the head and end of the joint cap for easy identification of direction.
- Transparent and white tubes are available. The white PCR tube is good for reading low-signal fluorescence values and reduces background fluorescence interference, and 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

| Product Code   | Description                             | Color       | Sterile | Qty.<br>Per Bag | Qty.<br>Per Case |
|----------------|---|-------------|---------|-----------------|------------------|
| PLAJPCRD10200A | 0.2mL PCR Tubes with Flat Cap, Single   | Transparent | N       | 1000            | 10000            |
| PLAJPCRD20200A | 0.2mL PCR Tubes with Flat Cap, 8 Strips | Transparent | N       | 125             | 1250             |
| PLAJPCRD11200A | 0.2mL PCR Tubes with Flat Cap, Single   | Transparent | Y       | 1000            | 10000            |
| PLAJPCRD21200A | 0.2mL PCR Tubes with Flat Cap, 8 Strips | Transparent | Y       | 125             | 1250             |
| PLAJPCRE20200A | 0.2mL PCR Tubes with Flat Cap, 8 Strips | White       | Y       | 125             | 1250             |
| PLAJPCRF20200A | 0.2mL PCR Tubes with Flat Cap, 8 Strips | Transparent | N       | 125             | 1250             |
| PLAJPCRF21200A | 0.2mL PCR Tubes with Flat Cap, 8 Strips | Transparent | Y       | 125             | 1250             |

## PCR Plate Sealing Film

GVS 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  $\mu\text{m}$
- **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  $\mu\text{m}$
- **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

| Product Code   | Type | Specification<br>(Length mm*Width mm) | Sterile | Qty.<br>Per Box | Qty.<br>Per Case |
|----------------|------|---------------------------------------|---------|-----------------|------------------|
| PLAJPCRD00001A | PCR  | 137.5*82                              | N       | 100             | 1000             |
| PLAJPCRD01001A | PCR  | 137.5*82                              | Y       | 100             | 1000             |
| PLAJPCRD00003A | qPCR | 140*80                                | N       | 100             | 1000             |
| PLAJPCRD01003A | qPCR | 140*80                                | Y       | 100             | 1000             |

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