

## Product Manual

### 【Product Name】

Freeze-dried Rabbit Plasma

### 【Product Code and Packing Specification】

Code	Type	Specifications
029180	Lyophilized reagents	10 vials/box

### 【Product Usage】

Used for Staphylococcal plasma coagulase test.

### 【Test Principle】

Pathogenic staphylococci can produce plasma coagulase, which converts fibrinogen in plasma into insoluble fibrin, which attaches to the surface of bacteria and forms clots.

### 【Formulation】

Formulation (per vial)	Content
Rabbit plasma	0.5mL

### 【Instructions】

1. How to open the vial: There is an arrow mark on the aluminum cap of this vial. Before opening the vial, disinfect the surface of the vial with 75% alcohol cotton. Under sterile conditions, open the aluminum cap in the direction of the arrow on the aluminum cap, tear off the aluminum cap, and open the vial rubber stopper.
2. How to use the reagent: Add 0.5mL of sterile saline to each vial until it is completely dissolved, then add 0.3mL of 24h broth culture of *Staphylococcus aureus*, mix well, cover the vial rubber stopper, and culture at  $36 \pm 1^\circ\text{C}$ . Observe the results regularly within 2h~6h.
3. Observation of results: When tilting or inverting the test tube, a coagulation block appears, or the volume of the coagulation block is greater than half of the original volume, which is positive for plasma coagulase. When observing the results, avoid vibrating the vial vigorously to prevent the clot from breaking.
4. This test should use broth cultures of Staphylococci that are both positive and negative in the plasma coagulase test as controls.

### 【Quality Control】

Quality control strain	Quality control requirements
<i>Staphylococcus aureus</i> ATCC6538	Incubate at $36 \pm 1^\circ\text{C}$ for 4h, plasma coagulates
<i>Staphylococcus epidermidis</i> CMCC (B) 26069	Incubate at $36 \pm 1^\circ\text{C}$ for 4h, plasma does not coagulate

### 【Storage Conditions and Shelf Life】

Store at  $2-8^\circ\text{C}$  away from light. Please refer to the product label for the expiration date.

### 【Waste Disposal】

After testing, the contaminated items were sterilized by high pressure sterilization at  $121^\circ\text{C}$  for 30 minutes.

### 【Executive Standard】

Q/HKSJ 0709 Guangdong Huankai Microbiology Sci. & Tech. Co.,Ltd. Enterprise Standards

### 【Explanatory Version】

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