

# **Pseudotech Pseudomonas Aeruginosa**

## **Enzyme Substrate Detection Reagent**

**Character** : This product is white or light yellow granules

**Clarification degree** : slightly yellow

**pH** : 7.0-7.6

**weight** :  $2.7 \pm 0.5$ g

**Storage** : Long term storage: drying, sealing, avoiding light and storage at  $4 \sim 8$  °C.

**Term of validity** : 1 years

### **Working principle**

In the water samples containing *Pseudomonas aeruginosa* bacteria, the target bacteria were cultured in the medium at  $38 \pm 0.5$  . The specific enzyme produced by the *Pseudomonas aeruginosa* bacteria can decompose the fluorescent substrate in reagent medium and produce characteristic fluorescence.

### **Packaging specification**

100 pieces /box

### **Usage method Qualitative detection**

**Setp 1** :Add reagent in 100ml water sample, dissolve it.  
and culture 24h at  $38 \pm 0.5$ °C

**Step 2** :Read result

No fluorescence = negative

Fluorescence = *Pseudomonas aeruginosa* positive

### **Quantitative detection**

**Step 1** : Add reagent in 100ml water sample, dissolve it.

**Step 2** : Pour into the 51 or 97 well tray

**Step 3**: Use program controlled quantitative sealer to seal the well tray,  
and culture 24h at  $38\pm 0.5^{\circ}\text{C}$

**Step 4** : Calculate the amount of by checking the  
corresponding MPN table with the number of positive wells.

**Note: the heat tolerance coliform group (fecal coliform group) needs  
to be cultured at  $44.5\pm 0.5^{\circ}\text{C}$  24h, and the Yellow well is positive**