

Enterococcus

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 ± 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 Enterococcus bacteria, the target bacteria were cultured in the medium at 41 ± 0.5 . The specific enzyme produced by the Enterococcus bacteria can decompose the fluorescent substrate MUD 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 41 ± 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 $41 \pm 0.5^\circ\text{C}$

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