Product Name : TP (Trans Galacto Oligo Saccharide-Propionate) Broth

This is the medium for the selective isolation, identification and enumeration of *bifidobacteria*.

TYPICAL FORMULA (G/L)

Trypticase Peptone ………………………. 10.0
Proteose Peptone No.3 …………………….. 5.0
Ammonium Sulfate ………………………….. 3.0
Monopotassium Phosphate ………………. 2.0
Dipotassium Phosphate ……………………. 1.0
Magnesium Sulfate …………………………. 0.2
L-Cysteine • HCl……………………………… 0.5
Sodium Propionate …………………………. 15.0
Glucose………………………………………….. 1.0
Final pH 7.2 $\pm$ 0.2 at 25°C.

DIRECTIONS

Suspend 37.7 G of powder in 960 mL of distilled or deionized water. Heat to dissolve completely. Sterilize in autoclave at 121°C for 15 minutes. Cool to 45-50°C. Aseptically add 0.1% of Oligo Solution (MB-O0763) and 2 vials of TP Agar supplement (MB-T0762). Mix well. Dispense into final containers.

TP Agar supplement
1 Vial contents (Each vial is sufficient for 500 mL of medium)
Vitamin K………………………………….0.5 mg
Hemin…………………………………………2.5 mg

DESCRIPTION

TP (Trans Galacto Oligo Saccharide-Propionate) Broth is the medium for the selective isolation, identification and enumeration of *bifidobacteria*.

TECHNIQUE

Bifidobacterium grow very well on it while *Lactobacillus* and *Streptococcus* strains are inhibited. Incubate tubes at 36 $\pm$ 1°C for 24-48 hours or up to 3 days if it required.

QUALITY CONTROL

Dehydrated medium
Appearance: free-flowing, homogeneous.
Color: beige.
Prepared medium
Appearance: slightly opalescent.
Color: amber.
Incubation conditions: 36 $\pm$1°C / 24-48 hours or up to 3 days / anaerophilic atmosphere.

MBcell

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Microorganism	ATCC	Growth
Bifidobacterium longum	15707	good

STORAGE

The powder is very hygroscopic: store the powder at room temperature, in a dry environment, in its original container tightly closed and use it before the expiry date on the label or until signs of deterioration or contamination are evident. Store prepared medium at 2-6°C.

PACKAGING

Cat. No : MB-T0710 TP (Trans Galacto Oligo Saccharide-Propionate) Broth	500 G