

Product Name : Tryptose Phosphate Broth

A highly nutritious medium for cultivation of fastidious bacteria.

CONTENTS (G/L)

Tryptose 20.5
Glucose 2.0
Sodium Chloride 5.0
Disodium Phosphate 2.5
Final pH = 7.3 ± 0.2 at 25 °C

PROCEDURE

Suspend 30.0 G of powder in 1 L of distilled or deionized water. Heat to boiling until completely dissolved. Sterilize by autoclave at 121°C for 15 minutes. Cool to 40-50°C in water bath. Dispense in sterilized tube.

INTERPRETATION

Tryptose Phosphate Broth is a highly nutritious medium for cultivation of fastidious bacteria. Tryptose provides nitrogen, carbon, vitamins and minerals. Glucose is the carbohydrate. Sodium chloride maintains the osmotic balance. Phosphate is the buffering agent.

TECHNIC

Inoculate the specimen with stab using a sterile needle to the medium. Shake gently for spreading microorganism. Incubate at 35 ± 2°C for 18-24 hours.

QUALITY CONTROL FOR USE

Dehydrated medium

Appearance: homogeneous.

Color: light beige.

Prepared medium

Appearance: clear.

Color: very light amber.

Incubation conditions: 36 ± 1°C / 18-24 hours.

Microorganism	ATCC	Inoculum CFU	Growth
<i>Escherichia coli</i>	25922	50-100	good
<i>Staphylococcus aureus</i>	25923	50-100	good
<i>Streptococcus pneumoniae</i>	49619	50-100	good

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STORE

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 are evident. Store prepared medium at 2-6°C.

REFERENCE

1. Grinsberg et al. (1955) Proc. Soc. Exper. Biol. Med. 89: 66.

PACKAGE

Cat. No : MB-T2275 Tryptose Phosphate Broth	500 G
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