

MM0078

**TPB
(Tryptose Phosphate Broth)**

Use and description:

It is used for cultivating fastidious microorganisms.

TPB is an infusion free buffered medium recommended for the cultivation of fastidious , pathogenic microorganisms.

Composition per liter:

Petones 20.0 g
Dextrose2.0 g
Sodium Chloride5.0 g
Disodium Phosphate 2.5 g

Final pH of the ready to use medium: 7.3±0.2 at 25.0 °C

Medium preparation:

Add 29,5 grams of dehydrated culture medium to 1 liter of distilled water.
Autoclave for 15 min at 121°C.

Quality specifications:

1. The powder is homogeneous, free flowing and light beige.
2. Ready to use medium: light amber-colored solution

Microbiological response after 18-24 hours at 48 °C:

Organism	Growth	Inoculum CFU
Neisseria meningitidis ATCC 13090	Good	100-1000
Staphylococcus epidemidis ATCC 12228	Good	100-1000
Streptococcus pneumoniae ATCC 6305	Good	100-1000
Streptococcus pyogenes ATCC 19615	Good	100-1000

Storage:

Store the sealed bottle containing the dehydrated medium at 2 to 30.0 °C. Once opened and recapped, place the container in a low humidity environment at the same storage temperature. Protect it from moisture and light. The dehydrated medium should be discarded if it is not free flowing or if the color has changed from the original light beige color.