

Use and description:

This medium has high nutritive value due to its richness in peptones, extracts, hemin, amino acids and essential vitamins. It is recommended to the primary culture of spore-forming and non-spore-forming strict anaerobes (e.g. clostridia or *Bacteroides* spp., *Fusobacterium* spp. as well) and of facultative anaerobes (e.g. *Enterobacteriaceae*, staphylococci, streptococci). Low concentration of agar will protect the medium against oxygen absorption.

Composition per liter:

Peptone mixture.....	17.0000 g
Yeast extract.....	8.0000 g
Sodium chloride.....	2.5000 g
Sodium bicarbonate.....	0.4000 g
Sodium thioglycollate.....	0.5000 g
L-cystein HCl.....	0.5000 g
Hemin	0.0050 g
Vitamine K.....	0.0005 g
Rezazurine.....	0.0010 g
Agar.....	0.7500 g

Final pH of the ready to use medium: 7.2 ± 0.2

Medium preparation:

Add 29.7grams of dehydrated culture medium to 1 liter of distilled water. Allow to soak for 10 minutes, swirl and bring to boil to dissolve completely. Dispense into screw cap tubes, then sterilise by autoclaving at 121°C for 15 minutes.

Quality specification:

Dehydrated medium: homogeneous, straw colored fine powder.

Ready to use medium: Pale straw, high viscosity solution. It may contain purple ring at the top because of the presence of some oxygen..

Microbiological response at 37 °C after 24-72 hours incubation:

Organism	Result
<i>Bacteroides fragilis</i> ATCC 25285	Growth
<i>Clostridium perfringens</i> ATCC 13124	Growth

Storage:

Dehydrated medium should be stored between 10 to 25°C. Once opened, place the container in a dark, dry place. The dehydrated medium should not be used if there is any lump or the color has changed from the original.