

## Product Information

### S4681 Standard nutrient broth no. 1

Standard Nutrient Broth No. 1 is used for the cultivation of fastidious bacteria. It can be used for the enrichment and enumeration of microorganisms.

#### Composition:

Ingredients	Grams/Litre
Peptone, Special	15.0
Yeast Extract	3.0
Sodium Chloride	6.0
Dextrose	1.0
Final pH 7.5 +/- 0.2 at 25°C	

Store prepared media below 8°C, protected from direct light. Store dehydrated powder in a dry place in tightly-sealed containers at 2-25°C.

Appearance: Yellow colored, homogeneous, free flowing powder.

Color and Clarity: Light amber colored, clear solution forms in tubes.

#### Directions:

Suspend 25 g of Standard Nutrient Broth No. 1 in 1000 ml of distilled water. Boil to dissolve the medium completely. Sterilize by autoclaving at 15 lbs. pressure (121°C) for 15 minutes.

#### Principle and Interpretation:

Standard Nutrient Broth No. 1 can also be used as a culture media base, when supplemented with blood, ascitic fluid or serum. Streptococci, Pneumococci, and *Erysipelothrix* species can be cultivated in this medium.

Cultural characteristics after 24-48 hours at 35°C.

Organisms (ATCC)	Growth
<i>Escherichia coli</i> (25922)	+++
<i>Staphylococcus aureus</i> (25923)	+++
<i>Brucella abortus</i> (4315)	+++
<i>Streptococcus pyogenes</i> (19615)	+++
<i>Streptococcus pneumoniae</i> (6303)	+++
<i>Listeria monocytogenes</i> (19111)	+++
<i>Erysipelothrix rhusiopathiae</i> (19414)	+++

#### References:

1. American Type Culture Collection, Manassas, Va., U.S.A.