Standard Nutrient Broth (H. S. Vaccine Medium)

Intended Use
Standard Nutrient Broth (H. S. Vaccine Medium) is a highly nutritive medium recommended for the large-scale cultivation of bacteria for production of vaccine preparation.

Principle
Peptone, special is the principal source of organic nitrogen while MX Nutrients 4, provides carbohydrates, vitamins, organic nitrogen compounds and salts. Sodium chloride maintains osmolarity of the medium.

Formula*

Ingredients	g/L
Peptone, Special	10.0
MX Nutrients 4#	10.0
Sodium Chloride	5.0
Final pH (at 25°C)	7.6 ± 0.2

*Adjusted to suit performance parameters.
Equivalent to intended performance of Meat Infusion Solids.

Storage and Stability
Store dehydrated medium below 30°C in tightly closed container and the prepared medium at 2°C-8°C. Avoid freezing and overheating. Use before expiry date on the label. Once opened keep powdered medium closed to avoid hydration.

Type of Specimen
Pharmaceutical samples.

Specimen Collection and Handling
Ensure that all samples are properly labelled. Follow appropriate techniques for handling samples as per established guidelines. Some samples may require special handling, such as immediate refrigeration or protection from light, follow the standard procedure. The samples must be stored and tested within the permissible time duration. After use, contaminated materials must be sterilized by autoclaving before discarding.

Directions
1. Suspend 25.00 g of the powder in 1000 mL purified / distilled water.
2. Boil with frequent agitation to dissolve the powder completely.
3. Sterilize by autoclaving at 121°C (15 psi) for 15 minutes as per validated cycle.

Quality Control
Dehydrated Appearance: Yellow coloured, homogenous, free flowing powder.
Prepared Appearance: Light amber coloured, clear solution without any precipitate.
Cultural Response: Cultural characteristics observed after an incubation of 18-24 hours at 30°C-35°C.

Organism (ATCC)	Growth
Brucella abortus (4315)	Good
Escherichia coli (25922)	Good
Shigella flexneri serotype 2b (12022)	Good
Staphylococcus aureus subsp. *aureus* (25923)	Good
Streptococcus pyogenes Strain Bruno (19615)	Good
Streptococcus pneumoniae (6305)	Good
Listeria monocytogenes strain Li 23 (19114)	Good

Performance and Evaluation

Performance of the product is dependent on following parameters as per product label claim:

1. Directions
2. Storage
3. Expiry

Warranty

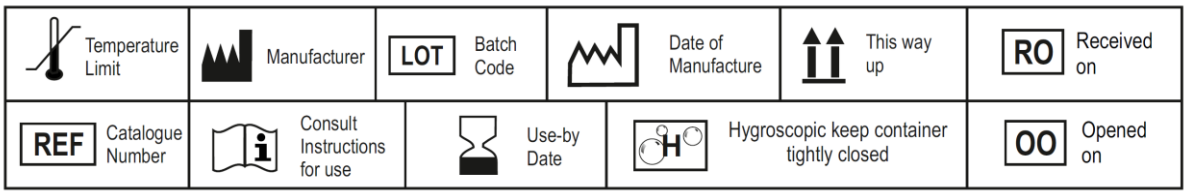
This product is designed to perform as described on the label and package insert. The manufacturer disclaims any implied warranty of use and sale for any other purpose.

Reference

1. Data on file: Microxpress®, A Division of Tulip Diagnostics (P) Ltd.

Product Presentation:

Cat No.	Product description	Pack Size
201190320500	Dehydrated Culture Media	500 g



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Disclaimer

Information provided is based on our inhouse technical data on file, it is recommended that user should validate at his end for suitable use of the product.