
Product Specification

Product Name: Eosin-Methylene Blue Agar (EMB) (Levine Agar)

Product Code: SG7225 / SG7226

PRODUCT DESCRIPTION:

Eosin-Methylene Blue Agar (EMB) (Levine Agar) is used for the isolation and differentiation of Enterobacteriaceae. This product is available in both dehydrated and granulated form.

Use:

Stir to suspend 37.5 g of dehydrated/granulated medium in 1L distilled H₂O. Mix well with heat with frequent agitation. Boil for one minute. Autoclave for 15 minutes at 121°C to sterilize. Allow to cool (40 – 45°C) before making additions, such as antibiotics (if desired). For laboratory use only.

Components:

Peptone – 10.0g/L

Lactose – 10.0g/L

Dipotassium Hydrogen Phosphate – 2g/L

Eosin – 0.4g/L

Methylene blue – 0.065g/L

Agar – 15.0g/L

Item	Description
<u>Physical and Chemical Tests</u>	
Appearance (dry):	Violet Powder / Granules
pH (@25°C):	7.1 ± 0.2
<u>Microbiological Tests</u>	
Escherichia coli (ATCC 25922)	PR ≥ 0.5, black-hearted colonies, with a metallic sheen
Salmonella Typhimurium (ATCC 14028)	The colonies are colorless and translucent
Staphylococcus aureus (ATCC 6538)	G < 5
<u>Quality Control Results</u>	

* The microbiological test results were obtained from type cultures after incubation at a temperature of 36 ± 1°C and observed after 24 hours.

Storage: Store in a dry and dark place at room temperature. Tighten the cap immediately after use.