

EC Broth (*E. coli* Broth)

SAFETY DATA SHEET

Selective Enrichment Medium for *Escherichia coli* and Fecal Coliforms

SDS-AS-1214

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Safety Data Sheet

SECTION 1 — IDENTIFICATION

Product Name	EC Broth (<i>E. coli</i> Broth)
Catalog Number	AS-1214
Recommended Use	Selective enrichment and confirmation of <i>Escherichia coli</i> and fecal coliforms in laboratory and industrial microbiology
Supplier	AuSaMicS Pty Ltd, 31 Longview CT, Thomastown VIC 3074, Australia
Contact	support@ausamics.com.au +61 412 520 598
Emergency Services	Australia: 000 Poisons Information Centre: 13 11 26

SECTION 2 — HAZARD IDENTIFICATION

GHS Classification: Not generally classified as hazardous under normal laboratory use. Powder may cause mild irritation to eyes, skin, or respiratory tract if dust is generated.

Signal Word	None required
Hazard Statement	Not generally classified as hazardous. Avoid unnecessary dust formation and contact with eyes, skin, or respiratory tract.
Precautionary Measures	Use good laboratory practice. Wear appropriate gloves, eye protection, and laboratory coat during handling.
Intended Use	For laboratory research and microbiological quality control use only

SECTION 3 — COMPOSITION / INFORMATION ON INGREDIENTS

Component	Typical Content	Function
Tryptone (or Pancreatic Digest of Casein)	20.0 g	Primary nitrogen source
Lactose	5.0 g	Fermentable carbohydrate
Bile Salts No. 3	1.12 g	Selective inhibitor
Sodium Chloride	5.0 g	Osmotic balance
Dipotassium Phosphate	4.0 g	Buffering salt
Potassium Dihydrogen Phosphate	1.5 g	Buffering salt
Purified Water	q.s. to 1 L	Solvent / medium base

SECTION 4 — FIRST AID MEASURES

Skin Contact	Wash with soap and water. Seek medical advice if irritation develops.
Eye Contact	Rinse cautiously with water for several minutes. Seek medical advice if irritation persists.
Inhalation	Move to fresh air if dust or aerosols are inhaled. Seek medical advice if symptoms persist.
Ingestion	Rinse mouth with water. Seek medical advice if discomfort occurs.

SECTION 5 — FIRE-FIGHTING MEASURES

Suitable Extinguishing Media	Water spray, foam, dry chemical, or carbon dioxide
Specific Hazards	Combustible organic ingredients may decompose under fire conditions to produce smoke and carbon oxides.
Protective Equipment	Use standard fire-fighting PPE and respiratory protection as required.

SECTION 6 — ACCIDENTAL RELEASE MEASURES

Personal Precautions	Avoid generating dust. Wear gloves, eye protection, and suitable protective clothing during cleanup.
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Environmental Precautions	Prevent bulk release to drains and waterways.
Clean-up Methods	Sweep or vacuum into a suitable container. Wipe remaining residue with a damp cloth.

SECTIONS 7–16 — HANDLING, STORAGE, EXPOSURE CONTROLS, STABILITY, DISPOSAL, TRANSPORT, REGULATORY

Handling	Use good laboratory practice. Avoid inhalation, ingestion, and unnecessary contact with skin or eyes.
Storage	Dehydrated medium: 10–30 °C in a tightly closed container, protected from moisture and light. Prepared broth: 2–8 °C in sealed tubes.
PPE	Laboratory coat, safety glasses, and suitable gloves recommended for bulk handling.
Appearance	Dehydrated powder; prepared medium forms a clear, light straw-coloured broth
Final pH	6.9 ± 0.2 at 25 °C
Stability	Stable under recommended storage conditions
Disposal	Dispose according to local laboratory, biological, and environmental regulations
Transport	Typically not classified as dangerous goods
Prepared By	AuSaMicS Pty Ltd — Quality & Regulatory Affairs

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