



PRODUCT DESCRIPTION

PD-AS-1154-v1

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Product Identification

Product Name	Bromocresol Purple Azide Broth
Catalogue Number	AS-1154
Document Reference	PD-AS-1154-v1
Issue Date	April 2026
Also Known As	BCP Azide Broth; Bromocresol Purple Glucose Azide Broth; Faecal Streptococcus Broth
Medium Type	Selective Enrichment Liquid Broth
Intended Application	Detection & enumeration of faecal streptococci / enterococci in water, food, dairy, and environmental specimens
Selectivity	Gram-negative bacteria inhibited by sodium azide (NaN ₃)
Indicator	Bromocresol purple — yellow = acid production = presumptive positive
Appearance (Prepared)	Clear to slightly opalescent; purple to blue-purple solution
pH (25 °C)	6.8 ± 0.2
Storage (Powder)	10–30 °C, dry, protected from light and moisture
Shelf Life (Powder)	3 years from manufacture date when stored correctly
Manufacturer	AuSaMicS Pty Ltd, Thomastown VIC 3074, Australia
Country of Origin	Australia

Product Description

Bromocresol Purple Azide Broth (AS-1154) is a selective liquid enrichment medium formulated for the detection and presumptive enumeration of faecal streptococci and *Enterococcus* spp. in potable water, wastewater, food, dairy, and environmental monitoring programmes.

The medium incorporates sodium azide as the primary selective agent to inhibit Gram-negative bacteria including coliforms and *Pseudomonas* spp., while permitting the growth of azide-tolerant enterococci and streptococci. Bromocresol purple functions as a pH differential indicator: fermentation of glucose by target organisms produces acid, shifting the medium from purple to yellow and signalling a positive presumptive result.

The nutritive base of tryptose and yeast extract supports growth of all clinically and environmentally significant enterococcal species including *Enterococcus faecalis*, *E. faecium*, *E. durans*, *E. hirae*, and *Streptococcus bovis* group.

Typical Formula (per litre)

Ingredient	Function	Amount (g/L)
Tryptose	Nitrogen & amino acid source	20.0
Yeast Extract	Vitamins & growth factors	5.0
Dextrose (Glucose)	Fermentable carbohydrate	1.0



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Dipotassium Hydrogen Phosphate (K_2HPO_4)	Buffering agent	2.7
Bromocresol Purple	pH differential indicator	0.016
Sodium Azide (NaN_3)	Selective inhibitor — Gram-negative bacteria	0.4
Total (approx.)		~29.1 g/L

Applicable Standards & Methods

- ISO 7899-1: Water quality — Detection and enumeration of intestinal enterococci (MPN method)
- APHA Standard Methods for the Examination of Water and Wastewater (23rd Ed.) — Method 9230B
- AS/NZS 4276.9: Water microbiology — Enterococci
- APHA Compendium of Methods for the Microbiological Examination of Foods

Available Pack Sizes

Pack Size	Catalogue No.	Approx. Tests (10 mL tubes)
100 g	AS-1154-100G	~45 tubes
500 g	AS-1154-500G	~230 tubes
1 kg	AS-1154-1KG	~460 tubes
5 kg	AS-1154-5KG	Bulk / institutional

DISCLAIMER: This document is intended for professional laboratory use only. AuSaMicS Pty Ltd provides this information in good faith. Users are responsible for validating the product for their specific application and complying with all applicable regulations. AuSaMicS Pty Ltd | 31 Longview CT, Thomastown VIC 3074, Australia | ABN: 56 676 640 467 | www.ausamics.com.au | support@ausamics.com | +61 412 520 598