

Plate Count Skim Milk Agar

Catalogue No.: AS-1329 | SDS Version: 1.0 | Issue Date: 2025-01-01 | Revision Date: 2026-03-23

SECTION 1: IDENTIFICATION

Product Name	Plate Count Skim Milk Agar
Catalogue Number	AS-1329
Supplier	AuSaMicS Pty Ltd, 31 Longview CT, Thomastown, VIC 3074, Australia
ABN	ABN: 56 676 640 467
Phone	+61 412 520 598
Email / Website	support@ausamics.com www.ausamics.com.au
Emergency Contact	+61 412 520 598 (business hours) Poisons Information Centre: 13 11 26 (AU)
Recommended Use	Microbiological culture medium — laboratory use only
Restrictions on Use	For dairy microbiology laboratory use only; not for human or animal consumption

SECTION 2: HAZARD IDENTIFICATION

GHS Classification: This product is NOT classified as a hazardous substance under the GHS (Globally Harmonised System) criteria when used as directed.

Signal Word: None required.

Hazard Statements: Not classified as hazardous.

Precautionary Statements: P261 — Avoid breathing dust. P272 — Contaminated work clothing should not be allowed out of the workplace. P280 — Wear protective gloves/protective clothing/eye protection. P501 — Dispose of contents/container in accordance with local regulations.

Other Hazards: Prepared medium in agar plates may harbour live microorganisms after inoculation. Handle inoculated material in accordance with local biosafety guidelines.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS Number	% w/w	GHS Hazard
Tryptone (Pancreatic Digest of Casein)	Mixture	~0.5	Not classified
Yeast Extract	8013-01-2	~0.2	Not classified

Glucose (Dextrose)	50-99-7	~0.1	Not classified
Skimmed Milk Powder (heat-treated)	Mixture	~9.1	Not classified
Agar	9002-18-0	~1.1–1.4	Not classified

SECTION 4: FIRST AID MEASURES

Inhalation: Remove to fresh air. If symptoms persist, seek medical attention.

Skin Contact: Wash with soap and water. If irritation develops, seek medical attention.

Eye Contact: Flush eyes immediately with large amounts of water for at least 15 minutes. Seek medical attention if irritation persists.

Ingestion: Do not induce vomiting. Rinse mouth with water. Seek medical attention if unwell.

Note to Physician: Treat symptomatically.

SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: CO₂, dry chemical, water spray.

Specific Hazards: Product itself is not flammable. Combustion may produce CO, CO₂, and other irritating gases.

Protective Equipment: Wear full protective equipment and self-contained breathing apparatus when fighting fires involving this product.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Wear appropriate PPE (gloves, eye protection). Avoid generating dust.

Environmental Precautions: Prevent entry into drains or waterways.

Clean-Up Methods: Collect spilled material and place into a suitable labelled container for disposal. Wash spill area with water. Dispose in accordance with local regulations.

SECTION 7: HANDLING AND STORAGE

Handling: Use good laboratory practices. Wear appropriate PPE. Avoid breathing dust. Wash hands after handling.

Storage: Store dehydrated medium at 10–30 °C in a cool, dry place away from direct light. Keep container tightly closed. Prepared plates: store at 2–8 °C, use within 4 weeks.

Incompatibilities: No known incompatibilities.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits: No specific OEL established. Apply good laboratory practice.

Engineering Controls: Use in a well-ventilated laboratory.

Respiratory Protection: Not required under normal conditions. Use P2/N95 dust mask if generating significant dust.

Eye/Face Protection: Safety glasses or goggles.

Skin Protection: Laboratory coat and nitrile or latex gloves.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Cream to light beige powder
Odour	Characteristic (milky/nutrient broth)
pH (prepared at 25 °C)	7.0 ± 0.2
Melting Point	> 100 °C (agar gelling temperature ~42 °C)
Boiling Point	Not applicable
Solubility in Water	Soluble (suspend and heat to dissolve)
Vapour Pressure	Not applicable
Relative Density	Not determined
Flash Point	Not applicable (non-flammable)

SECTION 10: STABILITY AND REACTIVITY

Stability: Stable under recommended storage conditions.

Conditions to Avoid: Exposure to moisture, excessive heat, and direct sunlight.

Materials to Avoid: Strong oxidising agents.

Hazardous Decomposition Products: CO, CO₂, and nitrogen oxides may form upon combustion.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity (Oral): Not classified as acutely toxic. Ingredients are established laboratory reagents.

Skin/Eye Irritation: Not classified as an irritant under normal laboratory use.

Sensitisation: No known sensitisation potential.

Carcinogenicity / Mutagenicity / Reproductive Toxicity: Not classified.

Chronic Toxicity: No chronic effects reported from intended laboratory use.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: No specific ecotoxicity data available. Components are biodegradable nutrients.

Persistence and Degradability: Readily biodegradable.

Bioaccumulation Potential: Not expected to bioaccumulate.

Mobility: Soluble in water.

SECTION 13: DISPOSAL CONSIDERATIONS

Dehydrated Medium: Dispose in accordance with local regulations. Do not discharge directly to sewer in large quantities.

Inoculated / Used Medium: Autoclave at 121 °C for 30 minutes before disposal. Dispose as biological waste per institutional biosafety procedures.

Packaging: Dispose of packaging in accordance with local waste regulations.

SECTION 14: TRANSPORT INFORMATION

UN Number: Not a dangerous good.

Proper Shipping Name: Not regulated.

Hazard Class: None.

Packing Group: None.

Environmental Hazard: Not classified as an environmentally hazardous substance for transport purposes.

Special Precautions: None required.

SECTION 15: REGULATORY INFORMATION

Australian Regulatory Framework: This product is not listed as a scheduled poison (SUSMP/Poisons Standard). Not classified as a hazardous substance under Safe Work Australia Model Code of Practice.

AICS (Australian Inventory of Chemical Substances): All components are listed or exempt from listing.

Export Controls: No export restrictions apply.

SECTION 16: OTHER INFORMATION

SDS Prepared by: AuSaMicS Pty Ltd Technical Team

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This SDS has been prepared in accordance with the GHS (Globally Harmonised System of Classification and Labelling of Chemicals) and Safe Work Australia requirements.

AuSaMicS Pty Ltd

Safety Data Sheet

AS-1329

www.ausamics.com.au

The information in this SDS is believed to be correct as of the date of issue. It is provided in good faith as guidance for safe use. Users must ensure compliance with all relevant local, state, and federal regulations.

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