

Product Description

Professional reference sheet for website and customer-facing technical use

Product Diluting Fluid K	Form Dehydrated powder	Dispatch Melbourne, Australia
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Diluting Fluid K (Peptone-Polysorbate Diluent), Dehydrated

Catalogue No. AS-1414

Diluting Fluid K is a dehydrated peptone-polysorbate medium designed for preparation of a pharmacopeial-style rinsing and diluting fluid used in sterility testing. The formulation is suited to membrane filtration workflows, device-pathway rinsing, and method suitability studies where oily or difficult-to-wet residues may require enhanced wetting support.

Parameter	Details
Product	Diluting Fluid K (Peptone-Polysorbate Diluent)
Catalogue number	AS-1414
Manufacturer	AuSaMicS Life Science, Melbourne, VIC, Australia
Form supplied	Dehydrated powder medium
Prepared composition	Peptone 5.0 g/L; beef extract equivalent 3.0 g/L; polysorbate 80 10.0 g/L
Final pH	6.9 ± 0.2 at 25°C
Primary application	Preparation of pharmacopeial-style rinsing and diluting fluid for sterility testing and method suitability studies
Standards concept	USP <71>, Ph. Eur. 2.6.1, JP concept

Typical applications

- Rinsing fluid for membrane filtration sterility testing.
- Method suitability studies involving bacteriostasis and fungistasis assessment.
- Rinsing of sterile pathways of medical devices and assemblies.
- Supportive fluid for oily, petrolatum-containing, or difficult-to-wet samples where enhanced wetting is beneficial.

Why laboratories select this formulation

- Polysorbate-containing formulation supports improved wetting of hydrophobic residues.
- Suitable for use where a simple peptone diluent may not provide sufficient surface activity.
- Designed for reliable laboratory preparation from a stable dehydrated powder format.
- Locally supplied from Melbourne for shorter lead times for Australian laboratories.

Note: AS-1414 is supplied as a dehydrated powder medium and is not sold as a ready-to-use sterile liquid.

Technical preparation summary

Parameter	Details
Reconstitution	Suspend 18.0 g in 1000 mL purified water and dissolve completely, heating if required.
Sterilization	Dispense and sterilize at 121°C for 15 minutes, or by an equivalent validated cycle.
Appearance - powder	Cream to yellow, homogeneous, free-flowing powder.
Appearance - prepared medium	Clear to slightly opalescent pale yellow solution.
Storage	10-30°C in a dry place, tightly closed, protected from moisture and light.
Shelf life	Refer to label; use prepared medium promptly or according to validated in-house holding conditions.

Frequently asked questions

Parameter	Details
What is Diluting Fluid K used for?	Diluting Fluid K is used as a rinse and dilution fluid in sterility testing, especially for oily or difficult-to-filter products and device-pathway rinsing where enhanced wetting is helpful.
Where can Diluting Fluid K be supplied in Australia?	AuSaMicS Life Science supplies AS-1414 from Melbourne to laboratories, manufacturers, and quality-control facilities across Australia.

Equivalent product positioning

Parameter	Details
Equivalent products	Comparable to pharmacopeial Fluid K-type preparations and alternative to several peptone-polysorbate rinse fluids used in sterility testing.