Technical Data Sheet

Diluting Fluid A | Catalogue No. AS-1413

Product	Diluting Fluid A	Cat. No.	AS-1413
Method family	Sterility testing / pharmaceutical microbiology	Format	Dehydrated powder medium
Standard alignment	USP <71>, Ph. Eur. 2.6.1, JP 4.06 concept	Issue	03 April 2026

Parameter	Specification
Product format	Dehydrated powder medium for preparation of Fluid A.
Composition per litre of prepared medium	Peptic digest of animal tissue 1.0 g; purified water to 1 litre.
Reconstitution	Suspend 1.0 g in 1000 mL purified water and dissolve completely.
Sterilization after preparation	Sterilize by the validated laboratory procedure. A commonly applied preparation cycle is 121°C for 15 minutes.
pH after preparation	7.1 ± 0.2 at 25°C.
Appearance - dehydrated medium	Light beige to amber, free-flowing homogeneous powder.
Appearance - prepared medium	Clear, colourless to pale yellow solution; free from visible particulate matter after complete dissolution.
Use	Diluting and rinsing fluid for sterility testing and related sample preparation steps.
Storage of dehydrated medium	10-30°C, dry place, tightly closed, protected from moisture and light.
Shelf life	Refer to label / certificate of analysis for assigned shelf life.
Pack size	As supplied on product label or quotation.

Performance notes

- The low peptone concentration in the prepared medium is intended to preserve microbial viability during rinsing and dilution operations while minimizing growth during handling.
- Suitable for many aqueous or soluble samples. For preservative-containing, oily or difficult matrices, alternative pharmacopeial fluids such as Fluid D or Fluid K may be required based on validated suitability testing.
- Prepared medium should be used in accordance with the laboratory's validated sterility testing SOP and aseptic handling controls.

Directions for preparation and use

- Weigh 1.0 g of dehydrated medium.
- Add to 1000 mL purified water and dissolve completely.
- Dispense into suitable containers and sterilize using the validated laboratory preparation procedure.
- After cooling, use the prepared Fluid A in the validated dilution, dissolution, membrane filtration and rinsing procedure.

Quality control recommendation

Routine release testing of the dehydrated medium should include appearance and identity / composition control as applicable. Prepared medium release or qualification commonly includes appearance after reconstitution, pH after preparation and sterility, with recovery or suitability studies performed as part of validation or periodic performance verification.