

Diluid III Diff

Intended use

Diluid III Diff is a specially filtered, non-sterile blood diluting fluid for use in cell counting and sizing. Intended to be used in vitro for the examination of specimens derived from the human body. The reagent is designed for automated instrumentation, capable to monitor a three-part WBC differential, based on the aperture impedance principle and electronically adjusted to operate at an osmolality of 330 ± 20 mOsm/kg. Diluid III Diff should be used in combination with CyMet Micro, CyMet Micro CN Free, CyMet Abacus, CyMet H20, CyMet III Diff or CyMet III Diff CN Free. The reagent is also designed for automated instrumentation, capable to monitor a five-part WBC differential, based on laser light scattering principle (flowcytometry) and electronically adjusted to operate at an osmolality of 330 ± 20 mOsm/kg.

Summary and principle

The reagent is used to dilute whole blood prior to counting and sizing of RBC, PLT and WBC. Content of the reagent maintains stability of RBC, PLT and WBC during counting.

Content:

Diluid III Diff is water based and contains:

| Composition | Concentration (Gram/L) |
|-----------------------------|------------------------|
| Sodium Sulfate | < 10 |
| Sodium Hydrogen Phosphate | < 5 |
| Sodium Chloride | < 5 |
| Sodium Dihydrogen Phosphate | < 5 |
| Urea salts | < 5 |
| Sodium Hydroxide | < 0.5 |
| EDTA | < 0.5 |
| Preservative | < 0.5 |

Warning and precautions

Harmful if swallowed. Avoid contact with eyes, skin and clothing.

Storage and stability

Diluid III Diff is stable for three years at 2-35°C.

Use the products at temperatures stated in the instrument product manuals. Preferably Avantor reagents must be brought to room temperature before use.

Indications of deterioration

There are no visible deteriorations; otherwise the reagent shouldn't give optimised performance. The reagent can be used throughout shelf life, giving optimised performance. No guarantees to reagent performance are given after the expiry date.

Instructions for use

Diluid III Diff should be used undiluted according to instrument manufacturer's instructions for use and should be connected as listed in the Operators manual.

Reagent may be used with Blanking Solution, Detectoterge or Proclean as a cleaning agent.

Furthermore reagent may be used with lysing reagents as mentioned above.

Pack size

| | | |
|-----------|-----------------|----------------------|
| 3963 | Diluid III Diff | 20 litres cubitainer |
| 3963.9010 | Diluid III Diff | 10 litres cubitainer |

