Dacie's (RBC Diluting) Fluid

Intended Use
Used as diluting fluid for blood specimens to count RBCs in microscopy by hemocytometry.

Summary & Principle
RBC diluting fluid is isotonic with blood; hence hemolysis does not take place. Normal Saline also can be used. But it causes slight creation of red blood cells and allows rouleaux formation. The blood specimen is diluted 1:200 with the RBC diluting fluid and cells are counted under high power (40x objective) by using a counting chamber. The number of cells in undiluted blood are calculated and reported as the number of red cells per cu mm (MI) of whole blood.

Reagent/ Contents*

Trisodium citrate	3.13 gm
Formaldehyde (37% of Formalin)	1mL
Distilled water	100mL

*Adjusted to suit performance parameters

Directions
1. Draw EDTA anticoagulated blood to exactly the 0.5 mark of the RBC pipette.
2. Wipe the tip of the pipette, clean with a piece of dry gauge without touching the opening of the capillary and immerse in the freshly filtered diluting fluid.
3. Do not insert the pipette in the bottle of counting solution.
4. By gentle mouth suction, draw the diluting fluid steadily into the pipette to exactly the 101 mark past the bulb, rotating the pipette on its long axis to ensure thorough mixing of blood and diluent.
5. Immediately mix the contents of the pipette thoroughly by placing the thumb over one end and shake for 1 minute.
6. Diluted blood must be examined within 2 hours.

Appearance
Clear, colourless solution pH: 7.8 –8.4

Storage and Stability
Store at 15°C-25°C away from bright light. Stability of Dacie's (RBC Diluting) Fluid is as per expiry date mentioned on label.

Warranty
This product is designed to perform as described on the label and package insert. The manufacturer disclaims any implied warranty of use and sale for any other purpose.

Reference
1. Data on file: UltraCare Diagnostics .

Disclaimer
Information provided is based on our inhouse technical data on file, it is recommended that user should validate at his end for suitable use of the product.

Manufacturer
CAT NO.
Number Lot number
Date of manufacture
Use by(Expiration date)

For In-Vitro Diagnostic use only
Attention: See instruction for use
Stored at 15-25 ℃
Authorized Representative in the European Company

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