



Product Specification

cdhfinechemical.com

R.B.C. DILUTING FLUID (HAYEM'S)

PRODUCT CODE 883010

Intended Use

R.B.C. Diluting Fluid (Hayemis) is used as diluting fluid for blood specimens to count red blood cells under high power by haemocytometry.

Principle And Interpretation

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 (40 x 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.

PARAMETER

LIMIT

Description	Clear, colourless liquid.
Solubility	Miscible with water forming clear and colourless solution.
Wt. per ml at 20°C	About 1.042 g
Suitability for microscopy	Passes test.

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 gauze 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.

Results

Under high power magnification, count the cells in the center and in the four corner squares of the central ruled area.

Note(s) : Assay (if applicable) method mentioned.

WARNING

Hazard statements: Causes mild skin irritation. Causes eye irritation. Toxic to aquatic life with long lasting effects.

Precautionary statements:

Prevention: Wash hands thoroughly after handling.

Response: If skin irritation occurs, seek medical advice/ attention. If eye irritation persists, get medical advice/attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, If present and easy to do. Continue rinsing.

Disposal: Dispose of contents and container in accordance with relevant legislation.

IMDG Code : 6.1/II
UN No. : 2024
IATA : 6.1

Hazard Pictogram(s) :



GHS09

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