


New Methylene Blue For Reticulocytes

IVD For in -vitro diagnostic use only

 Store at Room Temperature

Intended For Use

Reticulocyte Stain is intended for the identification of reticulocytes in blood films.

Introduction

Reticulocytes are immature red blood cells, typically composing about 1% of the red cells in the human body. Reticulocytes develop and mature in the bone marrow and then circulate for about a day in the blood stream before developing into mature red blood cells. Like mature red blood cells, in mammals reticulocytes do not have a cell nucleus. They are called reticulocytes because of a reticular (mesh-like) network of ribosomal RNA that becomes visible under a microscope with certain stains such as new methylene blue.

Material Provided

- Reticulocyte Stain (New Methylene Blue).

Procedure


1. Place 0.2ml of the staining solution in a small test tube.
2. Add 0.25ml of fresh or citrated blood, then after five to ten minutes agitate the tube briefly so that a more uniform suspension of the cells is obtained.
3. By means of a capillary pipette transfer a drop of the mixture on to a slide and make a smear in the usual way.
4. Allow smears to dry in the air, then without further fixation or counter-staining, examine under the oil immersion objective.












Results

Erythrocytes: pale greenish-blue. Reticulum: sharply outlined in deep blue. Heinz bodies: pale to deep blue, contrasting sharply against the pale-green background of the erythrocytes.

Reference

1. Brecher G: New methylene blue as a reticulocyte stain. Am J Clin Pathol 19:895, 194
2. National Committee for Clinical Laboratory Standards. Method for Reticulocyte Counting, Proposed Standard. H16-P, Vol 5, No. 10, 1985.
3. Thompson E C (1961). Stain Tech - 36, 38-39.

 **ATLAS Medical**
 William James House,
 Cowley Road, Cambridge, CB4 0WX, UK
 Tel: ++44 (0) 1223 858 910
 Fax: ++44 (0) 1223 858 524
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	Product Reference No.		For in-vitro diagnostic use.
	Caution.		Store at
	Read product insert before use.		Number of tests in the pack.
	Lot (batch) number.		Manufacturer.
	Expiry date.		Manufacturer telephone number.
	Manufacturer fax number.		