

**RETICULOCYTE STAINING AND COUNTING KIT**

Staining of human clinical specimens, for subsequent visualisation by microscopy

For professional use only

Single use

Medical device for In Vitro Diagnostic

**Intended Use:** Reticulocyte vital staining kit is intended for staining human clinical samples to determine the concentration of reticulocytes in circulating blood. It is used in medicine for cellular diagnostics and in the haematological examination of human samples.

**General precaution:**

1. Not suitable for any other application than its intended use.
2. Do not use the product if package is damaged.
3. Do not use the product if it has changed its original colour.
4. Do not use if the expiry date has been overcome.
5. Dispose as hazardous waste.
6. For its storage it is recommended to keep the product closed, at room temperature, in a well-ventilated area, and away from any hot or ignition point.

**Reagents:** Code: 801000 - Box of 50 tubes.

**Instructions for use:**

1. Add 3 drops of blood to a tube containing 100 µl of stable stain.
2. Mix well and incubate for 10-15 minutes at room temperature.
3. Mix again the suspension and make two smears on the slide, let them dry at room temperature.
4. View through and oil immersion slide without further stain.

**Results:** Reticulocytes: precipitated RNA is reticular or granular and turns into intense blue.

Erythrocytes: turn into pale blue or green-blue.

**Note:** Care must be taken since stain particles that adhere on the surface of the small corpuscles can be misinterpreted. The coloration of preparations remains stable if they are not exposed to light.

**Calculation:** The percentage of erythrocytes containing reticules or granules is calculated. At least 1.000 erythrocytes in different parts of the extension must be observed. After calculating the percentage of reticulocytes, the total count of them can be determined multiplying the percentage for the erythrocytes count. The standardised values are to be taken from current technical literature.

**References:**

1. John d. Bancroft, Marilyn Gamble. Theory and Practice of Histological Techniques, Churchill Livingstone Elsevier, Sixth Edition, 2008.
2. J. A. Kiernan et al. Histological & Histochemical Methods, Pergamon Press, Second Edition, 1990.
3. George Clark et al. Staining Procedures, Williams & Wilkins, Fourth Edition, 1981.

**Symbol glossary:**

 REF	Catalogue number	 LOT	Batch code		Consult instructions for use on the website <a href="http://www.deltalab.es">www.deltalab.es</a> or the link <a href="http://bit.ly/eifus">http://bit.ly/eifus</a>	 QTY	Quantity
 IVD	In Vitro Diagnostic Medical Device		Do not re-use		Do not use if package is damaged		CE marking
	Keep away from sunlight		Manufacturer		Use-by-date		

In case of a serious incident\* related to the product, notify to Deltalab, S.L. as well as the competent authority of the State in which the user is established.

\*A "serious incident" is understood as one that entails the death, or serious deterioration of the health of the patient or user or a serious threat to public health.