

**SP350**

**GCC DIAGNOSTICS**

## RETICULOCYTE STAIN

### BACKGROUND

Juvenile red cells contain remnants of ribonucleic acids and ribosomal material which will react with basophilic dyes to form a dark blue precipitate of granules and/or filaments

### KIT CONTENTS

Reticulocyte stain reagent – 100ml  
Technical instruction leaflet

### STORAGE

Store kit contents in the kit box provided at room temperature in a darkened cupboard.

### METHOD

- 1 – Pierce a pinhole in the top of the nozzle on the reticulocyte stain bottle or cut off the top 3 mm.
- 2 - Into a small glass or plastic tube (75 x 10mm approx) add 2/3 drops of Reticulocyte stain.  
No need to filter (reagent is prefiltered).
- 3 - To the tube add 6-8 drops of sample EDTA blood and mix by gently shaking tube.
- 4 - Incubate the mixture at 37 Deg Celsius for 15-20 minutes. Shake occasionally.
- 5 - After incubation, shake the tube gently to suspend the cells and make thin films (wedge or spun) in the usual manner. Allow to air dry completely.
- 6 - Do not counterstain. Do not coverslip. When dry examine films directly under oil immersion.

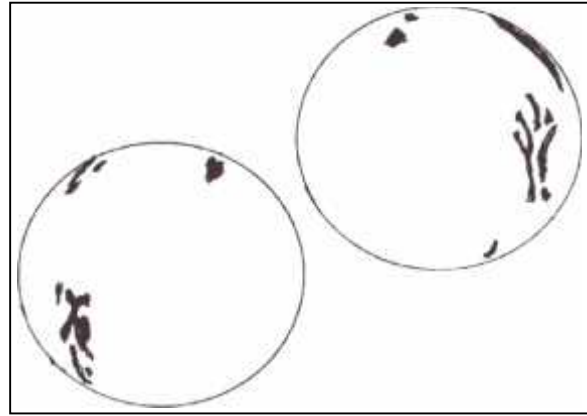
### RESULTS

Depending on the proportions of blood to stain reagent in the initial incubation mixture.

**Background -Pale yellow/cream.**

**Non-reticulated cells -Pale green brown/gray.**

Reticulo-filamentous material -Clearly defined as dark blue/purple granules or filaments. See diagram below.



### SAFETY DATA SECTION

Reticulocyte stain reagent contains organic dyes in a pH buffered aqueous solvent. The reagent is of very low risk when used as directed. If ingested in sufficient quantities it could de-oxygenate blood. In contact with eyes and skin it may irritate sensitive areas and stain them blue. If in contact with eyes, rinse with eye bath for 5 minutes minimum. If soreness persists seek medical attention. If in contact with skin wash with soap and water. As with all laboratory reagents use good laboratory practise in the handling and use of chemical laboratory reagents, and wear appropriate protective equipment.

### SPILLAGE & WASTE DISPOSAL

Mop up spillage with cloth or paper and rinse spillage area to Public Sewer diluting greatly with water.

### UNSATISFACTORY PERFORMANCE

As part of our duty to monitor product performance and our policy of continual improvement. Please report to us any unsatisfactory performance you may experience with this product. If any reagent degrades before expiry date of shelf life we will replace that reagent free of charge.

GCC Diagnostics guarantees that the highest quality reagents are supplied with this product and that the product conforms to the information contained in this leaflet.

The user should however, determine the suitability of this product for their particular use. If you wish to report any findings to us or if you require help or further information on the use of this product please contact us.

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