

Brilliant Cresyl Blue (1.5% in 0.85% Saline)

Description: Brilliant Cresyl Blue (1.5% in 0.85% Saline) is a supravital hematology stain for counting reticulocytes in peripheral blood smears. The number of reticulocytes in the blood is a simple measure of erythropoietic performance. Reticulocytes are immature erythrocytes that contain nuclear remnants of basophilic ribonucleoproteins which decreases as the reticulocyte matures. When stained, reticulocytes appear to contain dark blue granules or filaments.

Expected Results

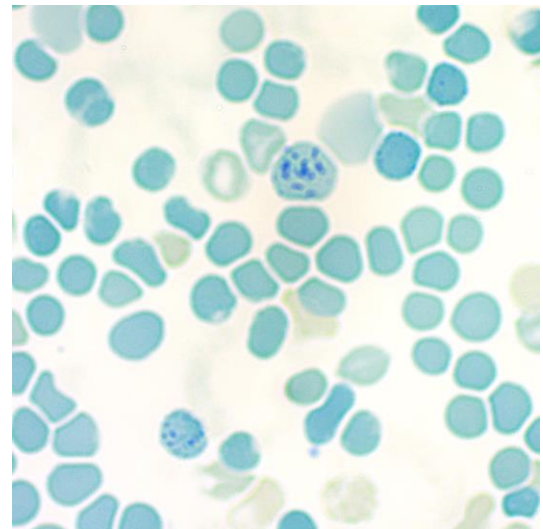
Reticulocytes:	Blue/Green with Dark Blue Granules.
Erythrocytes:	Blue/Green
Leukocyte:	Light Blue

Uses/Limitations:

- Not to be taken internally.
- For Research Use Only.
- Histological applications.
- Do not use if reagent precipitates.
- Do not use past expiration date.
- Use caution when handling reagents.
- Non-Sterile.

Control Tissue: Blood


Ordering Information and Current Pricing at www.scytek.com




Availability:	<u>Item #</u>	<u>Volume</u>
	BCS500	500ml
	BCS999	1000ml
	BCS3800	1 Gallon

Precautions:

- Avoid contact with skin and eyes.
- Harmful if swallowed.
- Follow all Federal, State, and local regulations regarding disposal.

Storage: 18° C  25° C

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Instructions For Use BCS-IFU-RUO

Rev. Date: 4/27/20

Revision: 2

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Working Solution Notes:


- Brilliant Cresyl Blue (1.5% in 0.85% Saline) may be used as is or diluted with physiological saline (0.85% w/v saline in deionized water) to suit staining intensity preferences. Working diluted stain should be used right away.
 - o Physiological saline solution: Add 8.5g of Sodium chloride to 1L deionized water.
- Filter solution before use if excess stain precipitate is seen.


Procedure (Glass Tube):

1. Pipette a volume of Brilliant Cresyl Blue in the bottom of a glass tube followed by an equal volume of uncoagulated blood and mix well.
2. Incubate mixture for 5-15 minutes in a warm water bath.
3. Mix well prior to preparing smear.
4. Prepare 2-3 glass slide smears and let dry.
5. Clear slide and mount in synthetic resin
6. Count per standard procedure

Procedure (Glass Slide):

1. Pipette a volume of Brilliant Cresyl Blue in the bottom of a glass slide followed by an equal volume of uncoagulated blood and mix well.
2. Place immediately in a warm humidity chamber and incubate mixture for 5-15 minutes.
3. Mix well prior to preparing smear.
4. Prepare smear and let dry.
5. Clear slide and mount in synthetic resin.
6. Count per standard procedure

Storage: 18° C  25° C



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