

LEUCODIF 200

Set of solutions for fast staining of blood smears

- Result coloration has panoptical character
- Ideal as a backup
- User Configurable method:

The different degrees of shading allow you to deliver preferential staining for every lab. The intensity of the staining is controlled by the number of dye immersions.

APPLICATION:

- 👤 **Hematology:** Blood smears
- 🐾 **Veterinary hematology:** Cats, Cattle, Dogs, Goats, Horses, Pigs, Sheep

LEUCODIF 200 CONTAINS:

- R1:** Fixing solution – Methanol 24.7 mol/l, Naphtalin green 1 mg/l
- R2:** Staining solution 1 – Eosin Y 1.73 mmol/l, phosphate buffer, pH 6.8, 60 mmol/l
- R3:** Staining solution 2 – Azur II 1.2 g/l, phosphate buffer, pH 6.8, 60 mmol/l
- R4:** Tablets for rinsing solution – Phosphate buffer, pH 7.2, 2.5 mmol/tablet

Preparation of Rinsing Solution R4:

In 50 ml of distilled water, dissolve 1 tablet of Reagent 4.
Stability: 2 months at (+2 to +25) °C in the dark.

STORAGE:

🌡️ Store at +2 to +25 °C



FAST

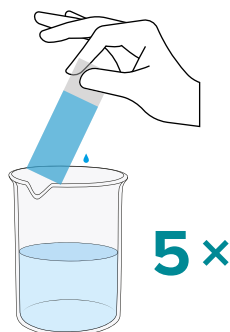
Staining is performed in seconds which makes it ideal for busy laboratories.

Cat. No.	Pack Name	Packaging (Content)
BLT00083	LEUCODIF 200	R1: 2 × 100 ml R2: 2 × 100 ml R3: 2 × 100 ml R4: 5 TBL

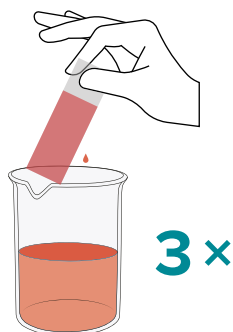


STAINING PROCEDURE:

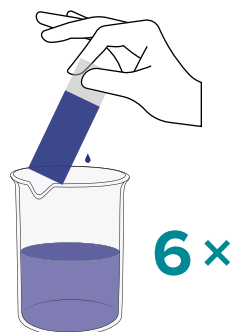
- 1 On fat-free slides, make blood smears in the standard way. Let them air dry.
- 2 Pour the reagents into convenient staining cuvettes.
- 3 Fix the smear by dipping it 5 times for 1 second each into Reagent 1. After each dip, let the solution flow down and remove the excess by mopping the drop against the wall of the cuvette.
- 4 Dip the fixed smear 3 times for 1 second each into Reagent 2. After each dip, let the solution flow down and remove the excess by mopping the drop against the wall of the cuvette.
- 5 Dip the smear 6 times for 1 second each into Reagent 3. After each dip, let the solution flow down and remove the excess by mopping the drop against the wall of the cuvette.
- 6 Rinse the slide with the rinsing solution and let it air dry.



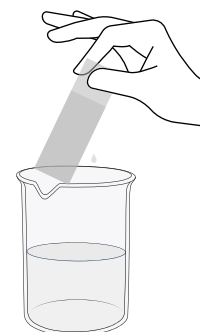
REAGENT 1
5 × 1 sec



REAGENT 2
3 × 1 sec



REAGENT 3
6 × 1 sec



RINSE WITH R4
Rinse

NOTES:

- The intensity of coloration may be affected by the number of dips into staining solutions. The minimum number of dips for each is 3.
- The intensity of eosinophil coloration can be increased by increasing the number of dips into Reagent 2.
- The intensity of blue coloration can be increased by increasing the number of dips into Reagent 3.
- All reagents are stable when protected from direct sunlight. If the coloration of the standard differs from the coloration of smears, change all solutions in the staining cuvettes (approximately once a week).
- In case of a pathological differential blood picture, it is recommended to use panoptic coloration according to May-Grünwald and Giemsa-Romanowski. The coloration with LEUKODIF is less remarkable and is not useful for thrombocytes.

