

Newman's Methylene Blue

DESCRIPTION

Newman's Methylene Blue is used for staining of bacteria and somatic cell count in milk or certain milk products.

COMPOSITION

Methylene blue chloride	0.600 g
95% ethyl alcohol	52.000 ml
Tetrachlorethane	44.000 ml
Glacial acetic acid	4.000 ml

WARNING AND PRECAUTIONS

Observe the precautions normally taken when handling laboratory reagents.

Safety Data Sheet is available on request for professional users.

All wast must be disposed of according to local directives.

STORAGE AND STABILITY

Newman's Methylene Blue 10-35°C

The product is stable until the expiration date indicated on the label under the recommended storage conditions.

PROCEDURE

1. Use clean glass slides for smear preparation. For quantitative determination of number of organisms a measured quantity (0.01 ml) of the dairy product (or a known dilution of it) is evenly spread over a 1 sq.cm area of the glass slide. The smear should be rapidly dried at around 45-50°C. Cool it to room temperature.
2. Submerge slides of the fixed, dried films, singly or in multiples, into the stain for 2 minutes.
3. Drain off the excess stain by resting the edge of the slide on absorbent paper.
4. Dry the slides thoroughly (by forced air if available).
5. Rinse the dried stained slides thrice in water at 35°C to 45°C and then drain and air dry before examining the film under the microscope.
6. Examine the film on the slide under an oil-immersion objective after placing one drop of immersion oil on the film.
7. Enumerate the number of cells per ml of dairy product under study.

RESULTS

Bacteria: Blue cells observed.

Somatic cells: Blue with distinct nuclear lobes observed.

QUALITY CONTROL

Appearance: Dark blue coloured solution.

Clarity: Clear solution without any insoluble particles.

PRESENTATION

Newman's Methylene Blue

Packaging

250 mL

REF.

67027

SYMBOLS



Read the instructions



Biological hazard



CE Mark (product complies with the requirements of Regulation (EU) 746/2017)



Temperature limitation



Use by



For in vitro diagnostic use



Manufacturer