



Product Specification

cdhfinechemical.com

NEISSER'S STAIN A SOLN. (METHYLENE BLUE)

PRODUCT CODE 868520

Intended Use

Neisser's Methylene Blue is used as staining solution for metachromatic staining.

Principle And Interpretation

Well developed granules of volutin (polyphosphate) may be seen in unstained wet preparations as round refractile bodies within the bacterial cytoplasm. With basic dye, they tend to stain more strongly than the rest of the bacterium, and with toluidine blue or methylene blue they stain metachromatically, a reddish purple colour. They are demonstrated most clearly by special methods, such as Albert's and Neisser's, which stain them dark purple but the remainder of the bacterium with a contrasting counterstain. The diphtheria bacillus gives its characteristic volutin-staining reactions best in a young culture (18-24 hours) on a blood or serum medium.

PARAMETER

LIMIT

Description	Blue coloured, solution.
Suitability test (Suitability for C. diphtheriae)	Passes test.

Directions

1. Prepare a smear on clean, dry glass slide.
2. Allow it to air dry and fix with gentle heat.
3. Stain with Neisser's Methylene Blue for 3 minutes.
4. Wash off with dilute (1:10 in distilled water) Gram's Iodine Solution and leave some of this solution on the slide for 1 minute.
5. Wash with water.
6. Counterstain with Neutral Red Solution for 3 minutes.
7. Wash with water, air dry and observe under oil immersion objective.

Results

Metachromatic granules : deep blue colour.
The Organisms : pink colour.

Note(s) : Assay (if applicable) method mentioned.

WARNING

Hazard statements : --

Precautionary statements

Prevention: --

Response: ---

IMDG Code : --

UN No. : --

IATA : --

Disposal: --

Hazard Pictogram(s) :--

Replace date 19-Dec-2023