

GENTIAN VIOLET AQUEOUS SOLUTION

PRODUCT CODE 839210

Intended Use

Gentian Violet is used as staining solution for monochrome staining of microbes.

Principle And Interpretation

Gentian Violet is used as a simple stain where it can render the organisms violet. Earlier it was used in the Gram staining for distinguishing between gram-positive and gram-negative organisms. In Grams staining method, subsequently crystal violet has replaced gentian violet because of the defined chemical nature of crystal violet. The name "gentian violet" was originally used for a mixture of methyl pararosaniline dyes (methyl violet), but is now often considered a synonym for crystal violet.

PARAMETER

LIMIT

Description	A dark violet coloured solution.
Solubility	Miscible with water and alcohol.
Residue on evaporation	About 0.5% w/v.
Suitability for microscopy	To pass the test.

Directions

1. Prepare a smear on a clear, dry glass slide.
2. Allow it to air dry and fix with gentle heat.
3. Flood the slide with Gentian Violet.
4. Allow the stain to be in contact with the smear for 1-2 minutes.
5. Wash in slow-running water, just enough to remove excess of dye.
6. Flood the smear with Iodine, drain and flood again with Iodine for 1 minute.
7. Wash with decolourizer (alcohol) for about 5-15 seconds. Wash the slide to stop the action of decolourizer.
8. Flood with safranin for 1 minute, wash very lightly.
9. Blot dry and examine under oil immersion objective.

Results

Gram-positive organisms: Violet

Gram-negative organisms: Red

Other elements: various shades of red to purple

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

WARNING

Hazard statements: May be harmful if swallowed. May damage fertility.

Precautionary statements

Prevention: Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required.

Response: If exposed or concerned: Get medical attention advice. IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell*

Disposal: Dispose of contents and container in accordance with relevant legislation.

IMDG Code :--

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IATA :--

Hazard Pictogram(s) :



Replace date 16-Dec-2023