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|  | <b>TECHNICAL DATA SHEET</b> | <b>805030en</b>      | Date:<br>19/03/15  |
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**Codes: 805030, 805130**  
**Methylene blue**

2014 catalogue page: 99

| Code          | Description                    | Case quantity | Case weight | Case volume |
|---------------|--------------------------------|---------------|-------------|-------------|
| <b>805030</b> | Methylene blue, 250 ml bottle  | 16            | 4.70        | 0.014       |
| <b>805130</b> | Methylene blue, 1000 ml bottle | 12            | 13.00       | 0.045       |

## SPECIFIC USE AND DESCRIPTION

Stains are used in Bacteriology to help visualise the morphology of bacteria that are almost transparent due to their insignificant size.

Simple staining with methylene blue facilitates the observation of germs, which outstand in an intense blue colour. Methylene blue is also useful to distinguish the metachromatic granules of *Corynebacterium diptheriae*.

Although it is basically used for simple stainings, methylene blue is also useful as a contrast stain in some composed stainings (Ziehl-Neelsen).

It is recommended to stain young cultures (24-36 h). For exclusive use as laboratory reactive.

Supplied with instructions for use. Supplied in opaque PET bottles featuring a white polyethylene cap and a tamper evident seal.

## SIMPLE STAINING WITH METHYLENE BLUE

### Method

- Take a clean and degreased microscopy slide (see general catalogue).
- Prepare a thin and homogenous smear. This can be done directly from a culture which is in a liquid medium, from a bacterial suspension obtained by homogenising 1-2 colonies in saline solution, or directly from a patient's sample.
- Let dry and fix the smear by placing the slide over the flame of a Bunsen burner. Avoid excessive heat.
- Place the slide onto a staining rack (Codes S003, S004, S002; see general catalogue).
- Flush the slide with methylene blue during 2 minutes.
- Wash the slide with water from a wash bottle (Codes 443000, 191638; see general catalogue) until water no longer has a blue colour.
- Let drip in a vertical position and dry at room temperature.
- Visualise with an immersion objective. Put a drop of oil between the smear and the lens.

| Elaborated                                                                          | Verified                                                                            | Authorised                                                                            |
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#### **Reading**

The germs and other elements appear blue.

#### **Storage**

Store between 15 and 25°C until the expiry date printed on the label.

#### **Expiry date**

Two years from preparation date.

Our microbiology stains are manufactured following the standards of **the American Society for Microbiology**,

and according to the European Norm ISO 9001 : 2000 "Quality Systems. Model for quality assurance in production, facilities and customer service". Copy of the ISO 9001 Certificate available upon request.

**Please see also the safety data sheet for this product.**

| Elaborated                                                                          | Verified                                                                            | Authorised                                                                            |
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