SPORE STAIN
Schaeffer & Fulton's Method

IVD CE

PRODUCT CODE
BS022

APPLICATION
For staining of spores.
A spore is a dormant form of the bacterium that allows it to survive drastic environmental conditions. Spores have tough outer covering made by of the protein keratin and are resistant to heat and chemicals. The keratin also resists staining, so extreme measure must be taken to stain the spore. In the Schaeffer & Fulton's Method, a primary stain Malachite green is forced into the spore by steaming the bacterial emulsion. Malachite green is water soluble and has a low affinity for cellular material, so vegetative cells may be decolorized by with water. Vegetative cells are then counter stained with Safranine.

REAGENT COMPOSITION
1. Malachite green-5%
2. Safranine O -0.50%

REAGENT PREPARATION
It is recommended to filter all stain before use.

REAGENT STORAGE AND STABILITY
Both solutions are stable up to the stated expiry date when stored at 15-25° C.
Keep tightly closed to prevent air oxidation.

PROCEDURE
1) Prepare smear of culture on glass slide, dry in air and fix by gentle heat.
2) Flood the entire slide, with aqueous malachite green/ solution-1
3) Steam for 3-5 minutes
4) Wash under running tap water
5) Counter stain with Safranine /solution-2 for 1-2 minutes
6) Wash under running tap water.
7) Dry the smear in air and observe under oil immersion lens.

RESULTS
1) Spores: Green color
2) Cell   : Red color

SYMBOLS ON LABEL

Symbols	Signify	Symbols	Signify
REF	Catalogue Number	SIZE	Pack Size
(Expiry symbol)	Expiry Date	VOL	Volume
(Storage symbol)	Storage Condition	LOT	Lot Number
(IFU symbol)	Instruction for Use	IVD	In Vitro Diagnostics
(Manufacturing symbol)	Manufacturing Date	(Manufacturer symbol)	Manufacturer
Σ	Number of Tests	②	For Single Use Only
EC REP	EC Representative	CE	European conformity