CREATIVE BIOMART®
Assay Kit

Gram Stain Kit

Product Information

Product Overview

Gram staining is a standard bacteriological method for bacterial classification. Following crystal violet staining and iodine mordant treatment, an insoluble crystal violet–iodine complex forms within the cell wall. Gram-positive bacteria retain this complex due to their thick peptidoglycan layer and appear purple. In contrast, Gram-negative bacteria possess thinner cell walls and lipid-rich outer membranes; decolorization dissolves the lipid layer and releases the dye complex, allowing counterstaining with safranin to produce a red appearance.

Size

4*10 mL

Storage

Store at 2–8 °C, protected from light. Shelf life: 1 year.

Synonyms

Gram staining solution

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