

Modified Kinyoun Stain for *Nocardia*

Frequency of QC testing

Each day test is performed

Control organisms

Nocardia farcinica ATCC 3308

Streptomyces albus ATCC 17900

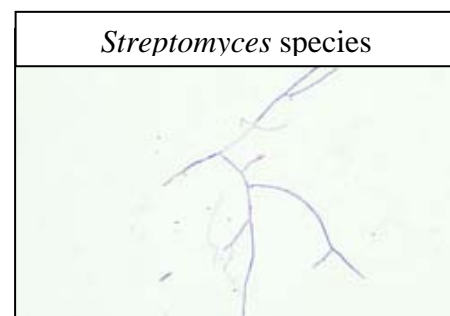
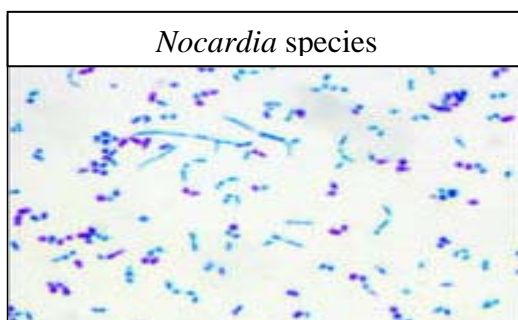
Procedure

1. Control slides can be prepared from suspensions of the control organisms grown on Lowenstein-Jensen or 7H11 agar.
2. Label 2 glass slides with date and name of respective control organism.
3. Prepare a 0.5 McFarland suspension of each organism in sterile saline and use a 0.01 mL calibrated loop to prepare the smears. Do not prepare smears too thick.
4. Heat-fix the control slides and stain simultaneously with patient smears.
5. Place patient smear(s) and control slides on a staining rack.
6. Flood the smears with Kinyoun carbol fuchsin and allow staining for 5 min.
7. Pour off excess stain.
8. Briefly rinse the smears for 3-5 s with 50% alcohol and immediately rinse with water.
9. Decolorize smears with 1% aqueous sulfuric acid for 2-3 min.
10. Rinse smears with water.
11. Flood smears with methylene blue and counterstain for 30-60 s.
12. Rinse smears with water, dry, and examine under oil immersion.

Expected Results

Nocardia: some cells should retain carbol fuchsin (red) while other will appear blue

Streptomyces: cells should not retain carbol fuchsin but will stain blue with counterstain



Computer Entry of Results

Function: MQCE

Select: TESTQC

Category: UNSCHEDULED

Item Codes: MAFBST

Results: POS or NEG

Entering New Lots

MFG Code: HARDY