



Warthin-Starry Stain Kit

Solutions Provided:

- #SSC1032-250 - **Acidulated Water, pH 4.0**
- #SSC1062-250 - **Silver Nitrate (Acidulated), 2%**
- #SSC1034-250 - **Gelatin Solution (Acidulated), 5%**
- #SSC1108-250 - **Hydroquinone Solution (Acidulated)**

Working solution preparation (prepare just before use):

Silver Nitrate (Acidulated), 1% (for Impregnation)
Silver Nitrate (Acidulated), 2%: 25mL
Acidulated Water, pH 4.0: 25mL

Developer Solution*

Silver Nitrate (Acidulated), 2%: 12mL
Gelatin Solution (Acidulated), 5%: 30mL
Hydroquinone Solution (Acidulated): 16mL

**To speed up reaction time, preheat the above solutions in SEPARATE containers in heated waterbath at 54°C for 1 hour and place clean coplin jar (to be used for Developer Solution) in the oven, also for 1 hour.*

Conventional Procedure

Deparaffinize and hydrate sections through alcohol to **Acidulated Water**.

Place slides in **Silver Nitrate (Acidulated), 1% (for Impregnation)**. Place in water bath at **43°C** for **30 minutes**. **DO NOT PREHEAT SOLUTION**

Just prior to the completion of Step 2, prepare **Developer Solution** in the preheated coplin jar and place in 54°C waterbath.

Place slides in Developer Solution for 3-4 minutes. After 2 minutes, frequently check slides until they are ready.

Wash slides thoroughly, yet quickly, in distilled water.

Dehydrate in 2 changes of 95% alcohol followed by 2 changes of 100% alcohol.

Clear and mount with appropriate mounting medium.

Results:

Spirochetes/Other Bacteria: Black
Background: Pale Yellow to Light Brown

