



## STEM CELL LABORATORY (STCL)



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**DOCUMENT TITLE:**

Sysmex XN-450 Hematology Analyzer As Needed Maintenance

**DOCUMENT NOTES:**

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## STCL-EQUIP-023 JA4 SYSMEX XN450 HEMATOLOGY ANALYZER AS NEEDED MAINTENANCE

### 1. **CLEANING AGENT:**

CELLCLEAN AUTO: Detergent for fully automated hematology analyzer. This is used as a strong alkaline detergent to remove lysing reagents, cellular residuals, and blood proteins remaining in the hydraulics of the analyzer on the XN-L Series automated hematology analyzers.

#### CELLCLEAN AUTO Storage

Store at 1-30° C, away from direct sunlight.

Do not use the reagent if it is suspected to have frozen.

#### CELLCLEAN AUTO Stability

Unopened, stable until expiration date printed on the container.

### 2. **AS-NEEDED MAINTENANCE:**

- 2.1. Waste Chamber Cleaning (see Sysmex XN-L-Series Troubleshooting Manual)
  - 2.1.1. Click [Menu]
  - 2.1.2. Click “Maintenance” icon. The maintenance screen displays.
  - 2.1.3. Click on [Rinse Instrument] Icon in the Menu screen. The [Rinse Instrument] dialog box appears.
  - 2.1.4. Touch [Rinse Waste Fluid Chamber]
  - 2.1.5. Place CELLCLEAN AUTO in the sample tube holder.
  - 2.1.6. Press the Start switch. to initiate the cleaning.
  - 2.1.7. The dialog box closes when the sequence is complete.
  - 2.1.8. Record on Maintenance Log.
- 2.2. Perform Rinse Flow Cell Cleaning (perform if Flow Cell in optical detector is suspected to be dirty)
  - 2.2.1. Touch the [Maintenance] icon on the [Menu] screen.
  - 2.2.2. Touch the [Rinse Instrument] icon. The [Rinse Instrument] dialog box appears.
  - 2.2.3. Touch [Rinse Flow Cell]. The [Rinse Flow Cell] dialog box appears.
  - 2.2.4. Place CELLCLEAN AUTO in the sample tube holder.
  - 2.2.5. Press the Start switch to initiate the cleaning.
  - 2.2.6. The dialog box closes when the sequence is complete.

- 2.2.7. Record on Maintenance Log.
- 2.3. Perform Air Bubble Removal for Flow Cell
  - 2.3.1. Perform if air bubbles in Flow Cell create abnormal aggregate pattern on scattergram.
  - 2.3.2. Touch the [Maintenance] icon on the [Menu] screen.
  - 2.3.3. Touch the [Rinse instrument] icon “Maintenance” icon. The [Rinse instrument] dialog box appears.
  - 2.3.4. Touch [Remove Flowcell Air Bubbles]. The sequence begins.
  - 2.3.5. The dialog box closes when the sequence is complete.
  - 2.3.6. Record on Maintenance Log.
- 2.4. Remove RBC clogs with remove clog sequence
  - 2.4.1. Touch the [Maintenance] icon in the [Menu] screen.
  - 2.4.2. Touch the [Rinse Instrument] icon.
  - 2.4.3. Touch [Remove RBC Detector Clog] and the sequence begins. When the process finishes the dialog box closes.

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All dates and times are in Eastern Time.

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