



TECHNICAL BULLETIN: TESTING FERTILITY AND POST-VAS PROFICIENCY SAMPLES ON SQA SYSTEMS SQA-Vision / SQA-V Gold / SQA-iO | March 13th, 2023

General Overview:

- Allow specimens to warm to room temperature (20°C to 25°C) for at least 30 minutes before testing.
- Mix the sample thoroughly by swirling for 30 seconds. Do not vortex.
- Load the SQA testing capillary carefully to avoid bubbles (bubbles may cause incorrect results).
- Follow the setup and testing instructions below based on your device type: SQA-Vision, SQA-V Gold, or SQA-iO.

SQA-Vision Users:

Post Vasectomy Proficiency samples should be run on the standard Post Vas mode of the SQA-Vision system per user guide instructions. Use the MANUAL Post Vas testing option.

Fertility Proficiency Samples should be run on Proficiency Mode:

Setting up the defaults:

- From the Main Menu of the Vision App, select SETTINGS → PROFICIENCY.
- Enter a SAMPLE ID, DATE, and a NOTE (if necessary).
- Click SAVE.

Testing proficiency samples on the SQA-Vision:

- Select QC/PROFICIENCY from the Main Menu then select TEST NOW on the relevant sample ID.
- Mix the sample well by swirling for 30 seconds. Do not vortex or create bubbles.
- Load the SQA testing capillary and check closely for bubbles.
- Wipe the capillary tip clean, taking care not to “wick out” the capillary tip.
- Insert capillary into the testing chamber when prompted to do so.
- Report the results received.
- Repeat the 6 steps above for the next sample.
- **Note:** Do not run specimen as a Patient or Latex Bead QC sample.

SQA-V GOLD USERS:

Post Vasectomy Proficiency Samples should be run on the standard Post Vas mode of the SQA-V system per user guide instructions. The optional “Manual Capillary Scan” should be performed per SQA-V instructions to ensure accuracy.

Fertility Proficiency Samples should be run on QC (Stabilized Sperm) mode:

Setting up the defaults:

- Activate the Service Data screen on the SQA-V to connect with V-Sperm.
- In V-Sperm, navigate to SET-UP → SQA-V → SQA-V DEFAULTS → Then select “Stabilized Sperm.”
- Enter “25” as the Target and Enter “25” As the Range then click Apply.



Testing proficiency samples on the SQA-V Gold:

- From the main menu, select: RUN CONTROLS → LEVEL 1. Confirm that the screen says, “Stabilized Sperm”.
- Mix the sample well by swirling for 30 seconds. Do not vortex or create bubbles.
- Load the SQA testing capillary and check closely for bubbles.
- Wipe the capillary tip clean, taking care not to “wick out” the capillary tip.
- Insert capillary into the testing chamber when prompted to do so.
- Report the results received.
- Repeat the 6 steps above for the next sample.
- **Note:** Do not run specimen as a Patient or Latex Bead QC sample.

Confirmation: If the Proficiency sample reports 0.0 on the Stabilized Sperm QC mode, re-run the sample in the Fresh testing mode as outlined below:

- Navigate to: MAIN MENU → TEST NEW PATIENT and enter:
 - PATIENT ID = Proficiency Sample #
 - BIRTH DATE = Test Date
- On the second screen, choose:
 - SAMPLE TYPE: FRESH
 - WBC CONC: < 1M/mL
- Select “Yes” when asked “IS SAMPLE VOLUME SUFFICIENT FOR COMPLETE RETESTING ≥ 0.5 mL?”
- Insert the capillary and report these results instead of the Proficiency Test results.

SQA-iO USERS:

Fertility Proficiency Samples should be run on QC/Proficiency Mode

Preparing the system for testing:

- Connect your SQA-iO device to the computer.
- Choose QC/Proficiency from the Navigation Menu.
- Choose the “Proficiency Test” tab from the Top Menu.
- SELECT SCHEME: “CAP/API” from the drop-down menu and enter the ISSUE DATE.

Testing proficiency samples on the SQA-iO:

- Enter the SAMPLE ID number.
- Select “Test Now” on the relevant sample ID.
- Mix the sample well by swirling for 30 seconds. Do not vortex or create bubbles.
- Load the SQA testing capillary and check closely for bubbles.
- Wipe the capillary tip clean, taking care not to “wick out” the capillary tip.
- Insert capillary into the testing chamber when prompted to do so.
- Report the results received.
- Repeat the 6 steps above for the next sample.
- **Note:** Do not run specimen as a Patient or Latex Bead QC sample.

Please contact Medical Electronic Systems for additional questions: service@mes-llc.com.

Distribution: All SQA-Vision, SQA-V Gold, SQA-iO Users

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