



Technical Release Bulletin

Running MAY/JUNE 2012 NEQAS Stabilized Sperm on the SQA-V

Subject: Running NEQAS Stabilized Sperm Samples #: S289, S290, S291 and S292 on the SQA-V

To insure that the SQA-V “reads” the NEQAS samples correctly, please follow the instructions below. The process involves a minor default set-up in the V-Sperm and then following the testing process outlined below. Before beginning, please note:

- Do NOT dilute the NEQAS sample even though you are instructed to choose this testing option.
- Vortex the NEQAS sample before aspirating it into the testing capillary
- Use a Pasteur pipette to transfer the NEQAS sample from the vial to a 10ml collection cup in order to transfer the entire sample and to allow the sample to be aspirated by the SQA-V testing capillary.

SET UP DEFAULTS for NEQAS samples:

Turn on the SQA-V and go to:

MAIN MENU > SERVICE > SERVICE DATA

From the V-Sperm GOLD main navigation screen click:

SET-UP > SQA-V > SQA-V Defaults > Continue:
The Set-up screen will be displayed.

1. Select: **Conc / Chamber Standard: 1**
2. Select: **Automatically print test results**
3. Click: **Apply** and wait while the defaults are set.

V-Sperm Management System
Medical Electronic Systems Ltd. V-Sperm Gold Version 3.49

SQA-V ← BACK

Patient Data
Controls
Video
Import Test
Import/Export
Set-up
Utilities
Log Off
Exit

System
Choose date format
 Europe (DDMMYY)
 USA (MMDDYY)
 SQA-V Date
 Enter local date 25/10/2006
 Morph. Criteria
 WHO 3rd
 WHO 4th
 Conc./Chamber Standard
 1
 2
 Printing Options
 Automatically print all test results
 Automatically print Self Test Report on Start Up

Control
 Control Media
 Latex Beads Stabilized Sperm

| Level 1 | | | Level 2 | | | Negative Control | | |
|---------|--------------|------------|---------|--------------|------------|------------------|--------------|------------|
| Lot # | Exp. Date | Automated | Lot # | Exp. Date | Automated | Lot # | Exp. Date | Automated |
| 12345 | 09/06 | 40 | 54321 | 09/06 | 50 | 5555 | 09/06 | 0.0 |
| | Target Value | +/- Ranges | | Target Value | +/- Ranges | | Target Value | +/- Ranges |
| | | 4.1 | | | 5.1 | | | 0.0 |

Report Apply Cancel

TEST SAMPLES: Follow these SQA-V testing instructions EXACTLY:

1. From **MAIN MENU** select: **TEST NEW PATIENT.**
2. From **ENTER PATIENT/SAMPLE DATA** enter:
 - Patient ID: Enter **NEQAS Sample# (omit “S”)**
 - Birth Date: **Test date**
 - Abstinence: **“1”**
 - Sample/Accession: **NEQAS Sample# (omit “S”)**
 - Collected and Received: **Test date**
3. From the next screen enter:
 - Sample Type: **FRESH**
 - Volume: **1 ml**
 - WBC Conc: **Select > 1 M/ml**
 - pH: **1.0**
 - Appearance/Viscosity/Liquefaction: **NORM.**
4. Select: **“NO”** when asked **“IS SAMPLE VOLUME SUFFICIENT FOR COMPLETE TESTING >= .5ML?”**
5. Select the option: **“Dilute sample 1:1 with media” BUT – DO NOT DILUTE THE NEQAS SAMPLE.**
6. Vortex the sample at 15 hertz for 10 seconds.
7. Using a Pasteur pipette, transfer **all** of the sample to a 10ml cup. Then load & insert the capillary to test.
8. Testing will take an additional 2 minutes for “low quality sample” (no motility in the sample). Report SPERM CONC results by sample #.

| | |
|---|---|
| ENTER PATIENT / SAMPLE DATA PATIENT ID: 277 BIRTH DATE: 01/09/11 ABSTINENCE: 1 DAYS SAMPLE PROCESSING SAMPLE / ACCESSION # 277 COLLECTED: 01/09/11 HH:MM RECEIVED: 01/09/11 HH:MM | SAMPLE TYPE SELECT FRESH / WASHED / FROZEN / POSTVAS VOLUME 1.0 ml WBC CONC. SELECT <= 1 M/ml / OR > 1 M/ml PH 7.0 APPEARANCE NORM/ABNORM. LIQUEFACTION NORM/ABNORM. VISCOSITY NORM/ABNORM. |
|---|---|

| | |
|--|--|
| IS SAMPLE VOLUME SUFFICIENT FOR COMPLETE TESTING >= .5 ml? YES/NO | LOW VOLUME SPECIMEN PLEASE SELECT SAMPLE TESTING OPTION: DILUTE SEMEN 1:1 WITH MEDIA LOW VOLUME – 20 MICROLITERS ONLY MOTILITY PARAMETERS ONLY |
|--|--|

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|--|--|
| LOW VOLUME SPECIMEN 1. DILUTE SEMEN 1:1 WITH MEDIA 2. MIX SAMPLE THOROUGHLY 3. FILL, CLEAN AND WIPE CAPILLARY INSERT CAPILLARY INTO CHAMBER | TESTING LOW QUALITY SAMPLE TESTING WILL TAKE 2 MORE MINUTES |
|--|--|

| TEST RESULTS | |
|---|-----------|
| SPERM CONC. | 20.7 M/ml |
| MOTILITY <a+b+c> | < 5 % |
| RAPID PROG. MOTILITY <a> | % |
| SLOW PROG. MOTILITY | % |
| NONPROG. MOTILITY <c> | % |
| IMMOTILITY <d> | % |
| MORPH. NORM. FORMS, WHO 3 rd | % |