



# 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.

**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 #.

<b>ENTER PATIENT / SAMPLE DATA</b> PATIENT ID: <b>277</b> BIRTH DATE: <b>01/09/11</b> ABSTINENCE: <b>1 DAYS</b> SAMPLE PROCESSING SAMPLE / ACCESSION # <b>277</b> COLLECTED: <b>01/09/11</b> HH:MM RECEIVED: <b>01/09/11</b> HH:MM	<b>SAMPLE TYPE</b> <b>SELECT FRESH</b> / WASHED / FROZEN / POSTVAS VOLUME <b>1.0 ml</b> WBC CONC. <b>SELECT</b> <= 1 M/ml / OR <b>&gt;1 M/ml</b> PH <b>7.0</b> APPEARANCE <b>NORM</b> /ABNORM. LIQUEFACTION <b>NORM</b> /ABNORM. VISCOSITY <b>NORM</b> /ABNORM.
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IS SAMPLE VOLUME SUFFICIENT FOR COMPLETE TESTING >= .5 ml?  YES/NO	<b>LOW VOLUME SPECIMEN</b> PLEASE SELECT SAMPLE TESTING OPTION: <b>DILUTE SEMEN 1:1 WITH MEDIA</b> LOW VOLUME – 20 MICROLITERS ONLY MOTILITY PARAMETERS ONLY
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<b>LOW VOLUME SPECIMEN</b> <del>1. DILUTE SEMEN 1:1 WITH MEDIA</del> 2. MIX SAMPLE THOROUGHLY 3. FILL, CLEAN AND WIPE CAPILLARY <b>INSERT CAPILLARY INTO CHAMBER</b>	<b>TESTING</b>  LOW QUALITY SAMPLE TESTING WILL TAKE 2 MORE MINUTES
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TEST RESULTS	
SPERM CONC.	<b>20.7 M/ml</b>
MOTILITY <a+b+c>	< 5 %
RAPID PROG. MOTILITY <a>	%
SLOW PROG. MOTILITY <b>	%
NONPROG. MOTILITY <c>	%
IMMOTILITY <d>	%
MORPH. NORM. FORMS, WHO 3 <sup>rd</sup>	%