

Technical Release Bulletin
SQA-V/SPERMALITE
(Software version 2.43 through 2.49 Gold)

Issue date: May 19, 2008

Subject: Testing azoospermic and oligoasthenozoospermic samples

Update:

For clinically accurate results, FRESH azoospermic and oligoasthenozoospermic samples must be run on the Post-vasectomy mode of the SQA-V. In situations where the testing facility is UNAWARE of the type of sample received or whether a lubricant was used during the collection process, the following procedure can be followed:

Procedure:

- Fill the SQA-V capillary with completely liquefied semen and insert into SQA-V video visualization slot to view the sample prior to automated testing.
- Quickly scan the sample by turning the focus knob.
- If a lot of debris is found and ZERO to FEW spermatozoa are seen, the sample must be run in the SQA-V Postvasectomy mode.
- Follow the Postvasectomy onscreen instructions.
- The # of motile, immotile and total sperm cells per scan and per sample volume will be reported.
- The Postvasectomy Test Results title of the V-Sperm report can be replaced with the High Sensitivity Test Results using the following V-Sperm path: Set-up/V-Sperm/Report/Language/Other.

In order to calculate the test results into million/ml please note:

Divide # SPERM/SAMPLE VOLUME results by the Sample Volume (ml) for example:

MOTILE	$0.20 \text{ M} / \text{Volume (2 ml)} = 0.10 \text{ M/ml}$
IMMOTILE	$0.54 \text{ M} / \text{Volume (2 ml)} = 0.27 \text{ M/ml}$
TOTAL	$0.74 \text{ M} / \text{Volume (2 ml)} = 0.37 \text{ M/ml}$

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