

SQA-iC⁺+VU⁺

Automated Semen Analysis Solution



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Cleared by

Food & Drug
Administration

Health
Canada **CE**



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Replaces an Hour
of Manual Testing



Reports 18 Semen
Parameters



Results in
75 Seconds



Cyber Security
ISO 27001



Secure PHI
Privacy Mode



All-In-One PC
Included*



Automated Quality
Control

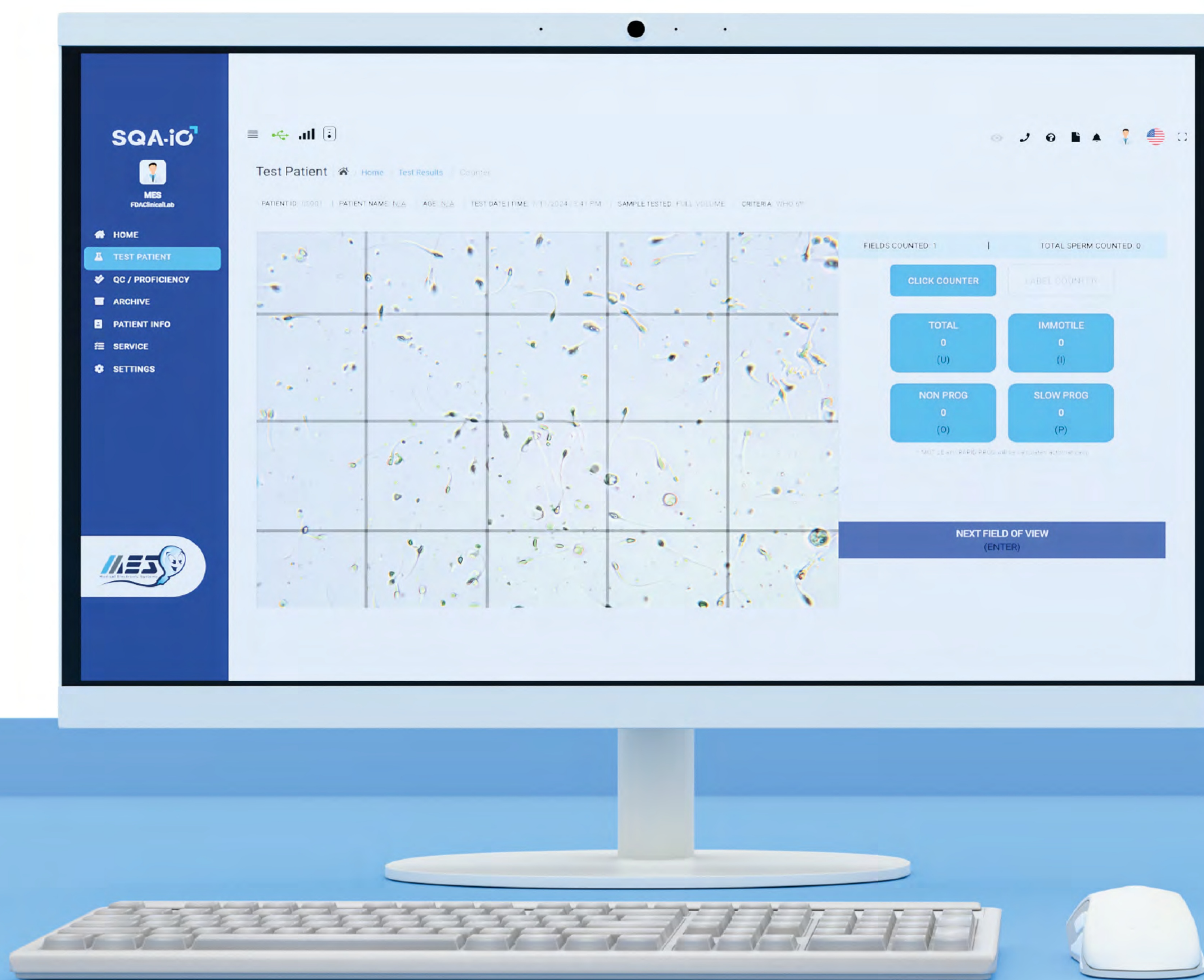


Global Regulatory
Compliance



User-Friendly
Interface

Accurate & Affordable Semen Analysis



 All-In-One PC Included*



Semen Concentration

Measures the Concentration of Sperm Cells in the Semen Sample, Expressed in M/mL and Totals Per Sample.

Motility Results

Assesses the Percentage of Actively Moving Sperm, Categorizing them Into Rapid, Slow, Non-Progressive, and Immotile.

Strict Morphology

Evaluates the Physical Characteristics of the Sperm Cells using Strict Criteria, to report the Percentage of Sperm with Normal vs. Abnormal Morphology.

KEY FEATURES



Compact Design



User-Friendly Interface



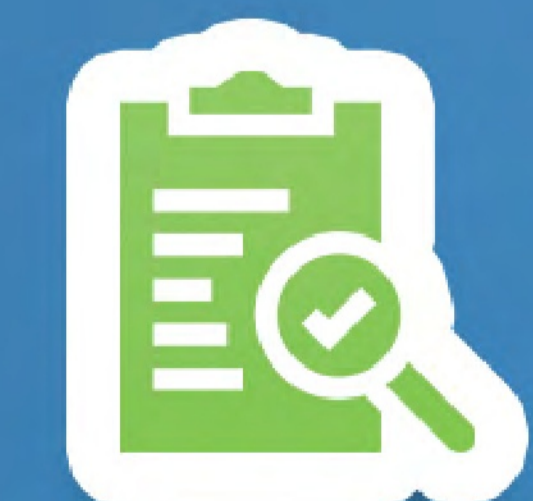
Secure Data Management



Advanced Visualization



LIS/EMR Interface



Quality Control Features

Versatile Modes & Auto Calibration

SQA-iO⁷+VU⁷

Overview

The **SQA-iO** is an affordable, compact, web-based automated semen analyzer from Medical Electronic Systems. It is offered at an affordable price point for diagnostic sperm testing and fertility sample preparation.

Incorporating the **WHO 6th** Edition standards and results, the **SQA-iO** delivers Sperm Concentration, Motility, Rapid/Slow/Non-Progressive Motility, Normal Morphology, Velocity, Totals, and more in **75 SECONDS!**

SQA-iO⁷



SQA-VU⁷

The **SQA-VU** is a visualization device that replaces the need for a backup microscope. The **SQA-VU** interfaces with the **SQA-iO** sperm quality analyzer.

With a user-friendly interface built into the **SQA-iO** workflow, the **SQA-VU** allows for High Definition image/video capture, debris scanning, low quality sample confirmation, Post-Vas analysis and more. The adjustable stage allows for visualization of **50 unique fields of view!**



All-In-One PC Included*


The **SQA-iO** analyzer comes with a pre-configured **All-In-One PC** designed to simplify the setup process for users. This workstation includes all necessary drivers and software, providing a turnkey solution that ensures ease of use.

The **All-In-One PC** enhances the overall experience by providing a comprehensive, ready-to-use solution that supports efficient sperm analysis. ***Available only in the US & Canada.**



Advanced, Integrated, & Precise Analysis

- ✓ CONCENTRATION
- ✓ MOTILITY
 - ✓ PROGRESSIVE
 - ✓ RAPIDLY PROGRESSIVE
 - ✓ SLOWLY PROGRESSIVE
 - ✓ NON-PROGRESSIVE
- ✓ IMMOTILE
- ✓ STRICT MORPHOLOGY
- ✓ MOTILE SPERM CONC
- ✓ PROGRESSIVE MOTILE SPERM CONC
 - ✓ RAPID PR MOTILE SPERM CONC
 - ✓ SLOW PR MOTILE SPERM CONC
- ✓ FUNCTIONAL SPERM CONC
- ✓ VELOCITY (VCL)
- ✓ TOTAL SPERM
- ✓ TOTAL MOTILE SPERM
- ✓ TOTAL PROGRESSIVE SPERM
- ✓ TOTAL FUNCTIONAL
- ✓ TOTAL NORMAL FORMS



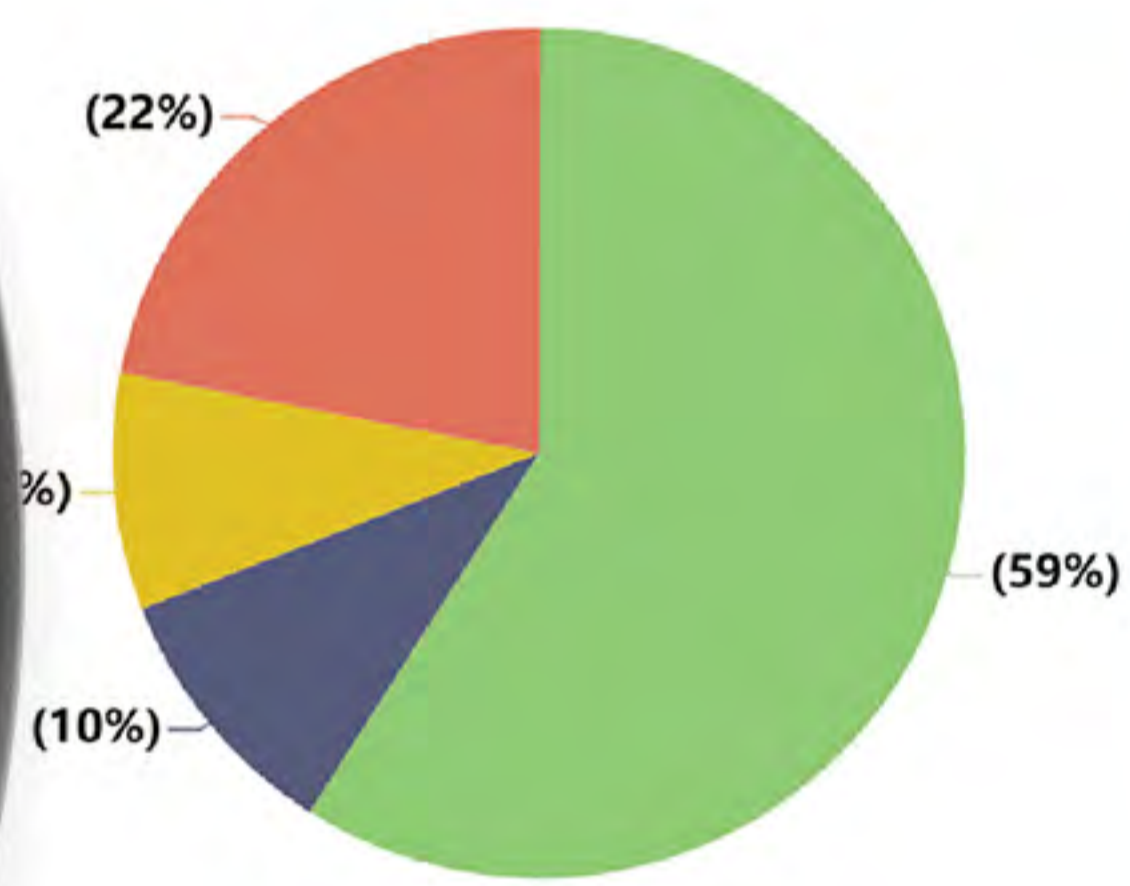
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SQA-iO AUTOMATED SEMEN ANALYSIS RESULTS
SQA-iO MES - Signal Processing Technology

| PATIENT INFORMATION: | | | |
|------------------------|---------------------|--------------------|----------------|
| FIRST NAME: | Henry | LAST NAME: | Fresh |
| PATIENT ID: | 852963710 | AGE: | 35 |
| REFERRING DOCTOR: | Dr. Smith | PHONE NUMBER: | |
| SAMPLE INFORMATION: | | | |
| SAMPLE ID: | N/A | pH: | 8.5 |
| SAMPLE TYPE: | FRESH | DEBRIS: | Many 31% - 99% |
| COLLECTED DATE TIME: | 6/15/2023 7:29 AM | APPEARANCE: | Normal |
| RECEIVED DATE TIME: | 6/15/2023 7:29 AM | VISCOSITY: | Normal |
| TEST DATE TIME: | 6/15/2023 7:29 AM | LIQUEFACTION: | 0-30 Minutes |
| CRITERIA: | | ABSTINENCE (Days): | N/A |
| VOLE... | (M/ml): <1 | SIGNAL 1: | N/A |
| | | SIGNAL 2: | N/A |

| PARAMETER | VALUE |
|---------------------------------|-------|
| CONCENTRATION | |
| MOTILITY | |
| PROGRESSIVE | |
| RAPIDLY PROGRESSIVE | 5% |
| SLOWLY PROGRESSIVE | 10% |
| NON-PROGRESSIVE | |
| IMMOTILE | |
| NORMAL FORMS | |
| MOTILE SPERM CONC.* | |
| SPERM CONC. MOTILE SPERM CONC.* | |



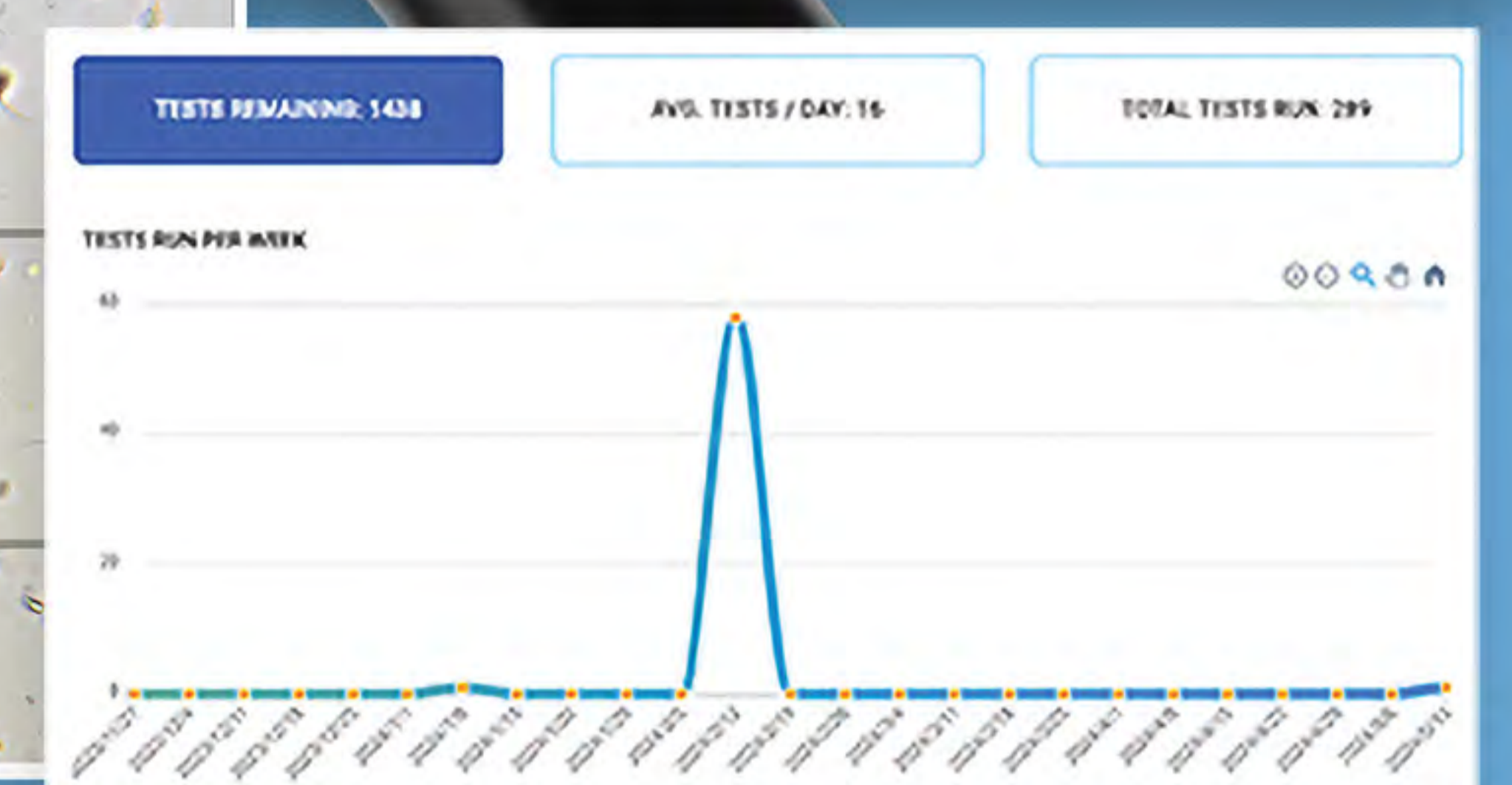
MOTILITY GRAPH

- Rapidly Progressive (%)
- Slowly Progressive (%)
- Non-Progressive (%)
- Immotile (%)

Signature: *Dr. Smith* Tester Name: DEMO Title (Designation):

CNT 429.9 | OD 0.8868

| SERVICE DATA - KEY PARAMETERS | | |
|-------------------------------|---------|---|
| REFERENCE 1 (mV): | 220.00 | ✓ |
| LED CURRENT 1 (mA): | 8.00 | ✓ |
| REFERENCE 2 (mV): | 3059.50 | ✓ |
| LED CURRENT 2 (mA): | 14.00 | ✓ |
| ZERO LEVEL: | 513.69 | ✓ |
| AMPLITUDE (mV): | 77.44 | ✓ |



The **SQA-iO** is an accurate and affordable cloud-based medical device that delivers comprehensive semen analysis in just **75 seconds**. This innovative solution provides reliable and timely results, seamlessly integrating with LIS/EMR systems for enhanced reproductive health management.

Highly Accurate & Dependable Analysis

SQA-iO⁺+VU⁺

Comparison with Manual Testing



SQA-iO⁺
Testing



Manual
Testing

Low COST Per Test

Only 75 Seconds!

Integrated LIS/EMR

Reliably Accurate

Moderately Complex



High Labor COST

Over 1+ Hour

Prone to Human Error

Reliably Variable

High Complexity

Replacing the Lab Microscope and More!

SQA-iO⁺+VU⁺

LIS/EMR Interface



- ✓ Hospital
- ✓ Fertility Centers
- ✓ Reference Labs
- ✓ Providers
- ✓ Research Institutions
- ✓ Andrology Clinics



- ✓ Automated Data Transfer
- ✓ Real-Time Updates
- ✓ Enhanced Results
- ✓ Error Reduction
- ✓ Compliance Support
- ✓ Customizable Integration

clinisys

Epic

DEPARTMENT OF DEFENSE
MHS
GENESIS
MILITARY HEALTH SYSTEM

DI Data Innovations[®]

✓ **CreliaHealth**

Cerner **MEDITECH**

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Learn More

and many more...

Compatible with Dozens of LIS/EMR Systems