Medical Electronic Systems

THE GLOBAL LEADER IN MALE FERTILITY TESTING SOLUTIONS

CATALOG

Remember, It all started with a Sperm and an Egg!

Global Reach, Local Excellence

Medical Electronic Systems is a leading-edge technology company specializing in rapid, automated semen analysis instruments for fertility testing and patient treatment in Reproductive Centers, Hospitals, Reference Laboratories, Doctor's Offices, and At-Home.

Our **Global** Offices



United States | Israel | Belgium | India

Certified Medical Device Manufacturer

Food &
Drug
Administration

International
Standardization
Organization

Clinical
Laboratory
Improvement
Amendments

College of
American
Pathologists

Conformite
Europeenne

Underwriters
Laboratories

Health
Canada

Medical Electronic Systems

Product Showcase



SQA-iO+VU



SQA-VISION



QwikCheck™ Kits



YO HOME SPERM TEST



SQA-VISION

Automated Sperm Quality Analyzer



Cleared by

Health Canada CE

Food & Drug Administration

Scan QR to

Learn More

WHO 6TH EDITION

10 TEST MODES

- DNA Frag
- IUI/IVF
- Semen Analysis
- Frozen
- Post - Vas
- Longevity
- Washed
- Vitality
- QC Beads
- Proficiency

For Reproductive & Diagnostic Laboratories



Touch-Screen Workstation Included

Fully Automated Results

Sperm Concentration, Motility (**a** | **b** | **c** | **d**), Strict Morphology, Vitality, Velocity, Functional Sperm, Total Sperm, Total Motile, Total Progressive, and much more.

Semi-Automated Results

DNA Fragmentation (WHO 6th Edition Classifications), Volume, Full Differential Morphology, PH, and White Blood Cells & additional automation coming soon!

Full Regulatory Compliance

FDA / Health Canada / CE cleared, CLIA moderately complex, CAP/API proficiency, regulatory compliance in over 50 countries.

KEY FEATURES

- Low Cost & Fast Turn Around
- Fast - Objective - Standardized
- Bi-Directional LIS/EMR Interface
- 4,000+ Systems in 50 Countries
- WHO 6th Edition Standards
- Accurate & Precise
- Peace of Mind

On-Site Installation & Training Included!

US & Canada only*

SQA-VISION

Overview



Semen analysis often involves subjective interpretation, long testing times, and complex quality control, burdening labs with higher costs and workflow complications.

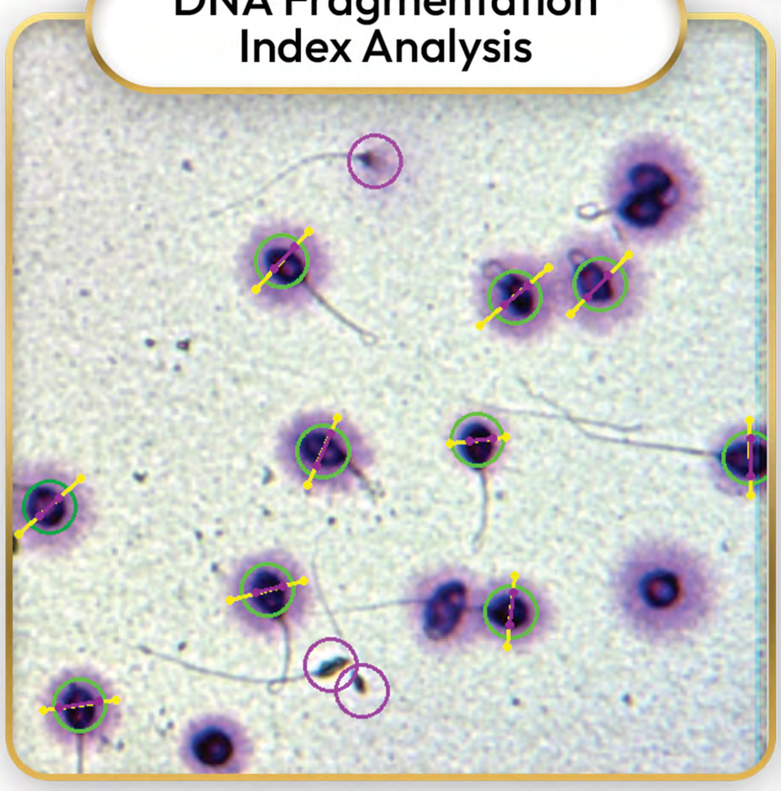
Streamline your semen analysis program, reduce costs, and improve care with the **SQA-Vision**.

MES analyzers are used globally to standardize testing, lower costs, and deliver results in under 75 **seconds** with exceptional accuracy and repeatability.

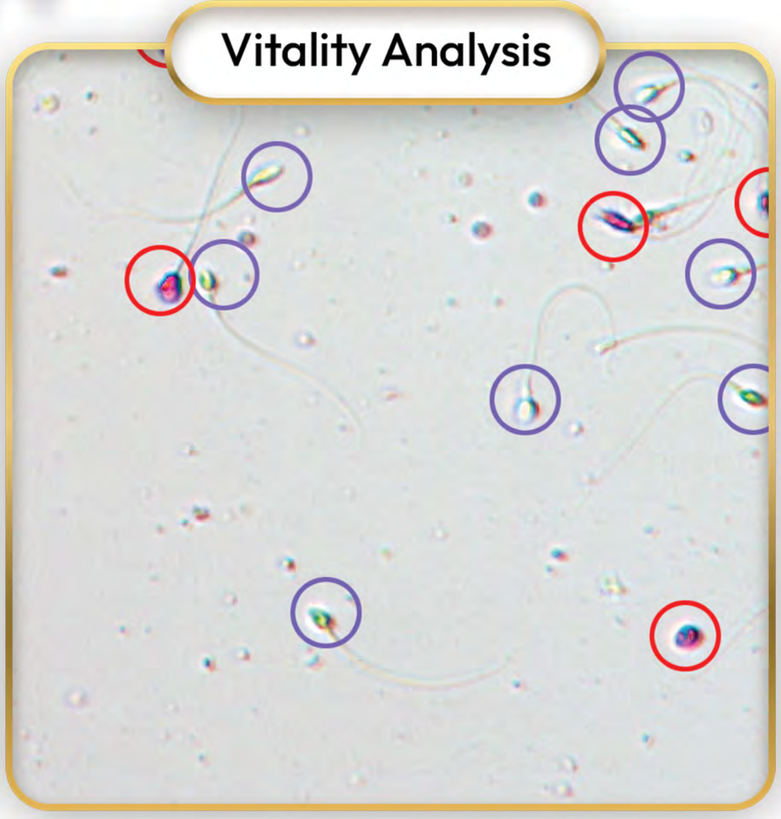
CLIA Moderately Complex Classification status allows testing ability for a wide range of users.

WHO 6TH EDITION New Features

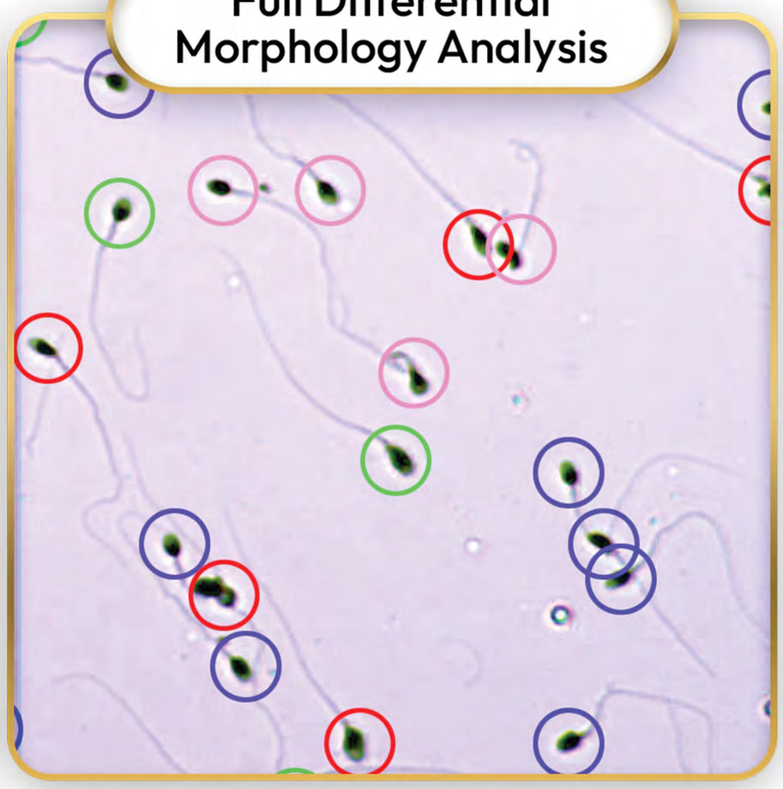
DNA Fragmentation Index Analysis



Vitality Analysis



Full Differential Morphology Analysis

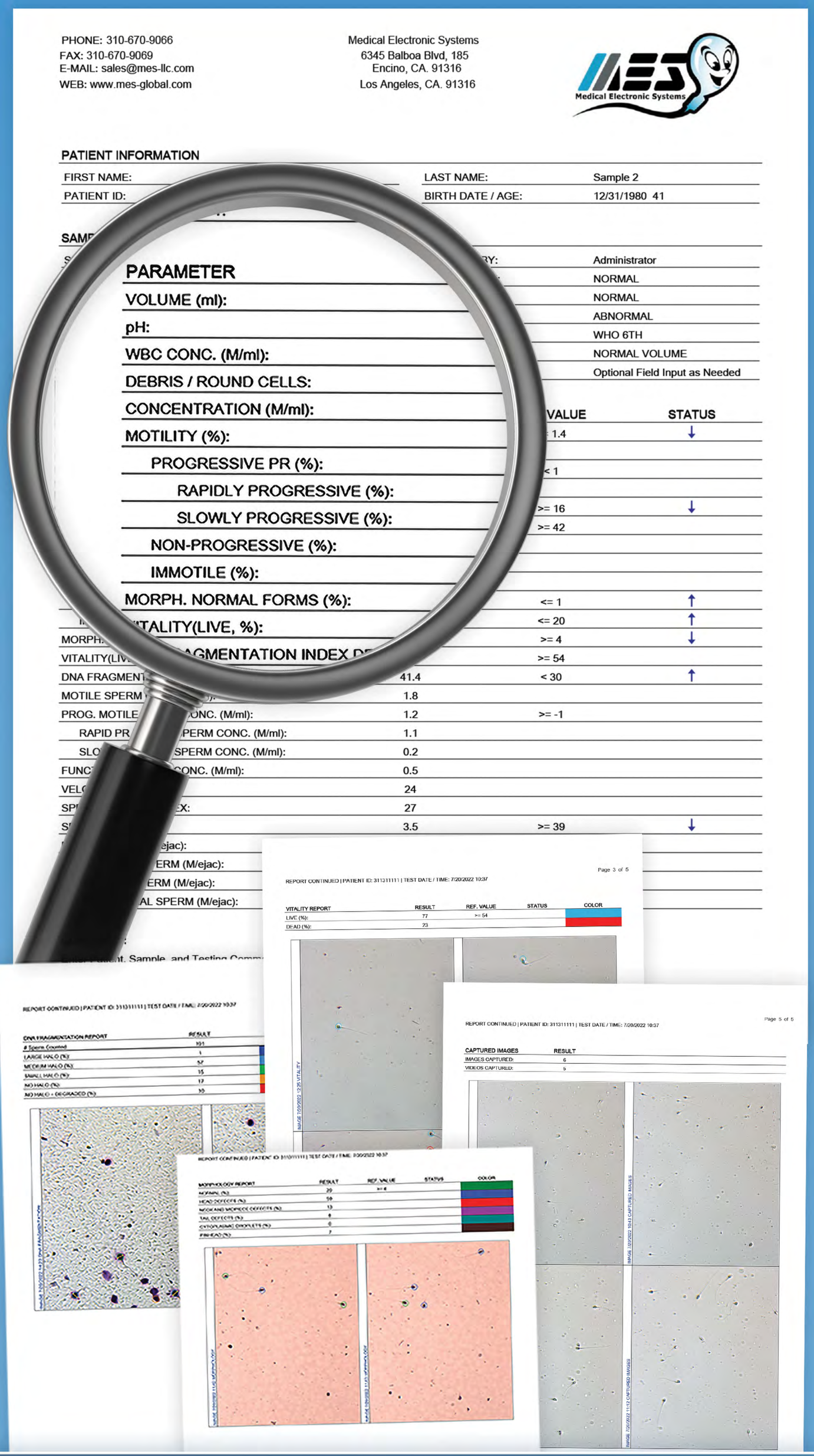


Free Lifetime Software Updates

SQA-VISION

Parameters

- CONCENTRATION
- MOTILITY
  - PROGRESSIVE
  - RAPID PROGRESSIVE
  - SLOW PROGRESSIVE
  - NON PROGRESSIVE
- IMMOTILE
- STRICT MORPHOLOGY
- DNA FRAGMENTATION INDEX (DFI)
- VITALITY
- MOTILE SPERM CONC.
- PROGRESSIVE MOTILE SPERM CONC
  - RAPID PR MOTILE SPERM CONC
  - SLOW PR MOTILE SPERM CONC
- FUNCTIONAL SPERM CONC
- VELOCITY
- SPERM MOTILE INDEX
- TOTAL SPERM
- TOTAL MOTILE
- TOTAL PROGRESSIVE
- TOTAL FUNCTIONAL
- MORPHOLOGY NORMAL SPERM
- VOLUME
- pH
- WBC CONC
- DEBRIS / ROUND CELLS



Fully Customizable Reports

SQA-VISION

LIS/EMR Interface







- Automated Data Transfer
- Real-Time Results
- Enhanced Workflow
- Error Reduction
- Compliance Support
- Bi-Directional
- Customizable Integration

LIS/EMR

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

clinisys Epic DEPARTMENT OF DEFENSE MHS GENESIS MILITARY HEALTH SYSTEM

Data Innovations CrelioHealth

Cerner MEDITECH

and many more...

Scan QR to Learn More

Compatible with Dozens of LIS/EMR Systems

SQA-VISION

On-Site Service Commitment

US & Canada only*

Service Agreements from **MES** extend system life & ensure peace of mind. Keeping your **SQA-Vision** Analyzer in top shape maximizes uptime and accuracy. Manual alternatives can drain resources and complicate workflow. Ensure your **SQA** is ready for the next sample! **MES** offers 1-year and discounted 2-year full coverage agreements for your system.



SERVICE COVERAGE INCLUDES

- ☑ Software/Hardware Updates
- ☑ On-Site Training
- ☑ Off-Contract PMs Available
- ☑ MES Covers Shipping/Handling
- ☑ Loaner Instruments Included
- ☑ Next-Day Device Replacement
- ☑ 90-Day Warranty Post-Service
- ☑ ISO 13485 Medical Devices
- ☑ ISO 27001 Security Certified
- ☑ 60-Point System Check
- ☑ 24-Hour Loaner Service
- ☑ Unlimited Tech Support
- ☑ Unlimited Clinical Support
- ☑ Annual On-Site PMs
- ☑ Updated Training Materials
- ☑ Discounts On Upgrades
- ☑ PC/Workstation Coverage
- ☑ Validation Assistance
- ☑ After-Hour Support
- ☑ LIS/EMR System Setup

Expert Training, Service, and Support

SQA-iQ+VU

Automated Semen Analysis Solution

Cleared by

Health Canada CE

Food & Drug Administration

CERTIFIED ISO 27001



Scan QR to Learn More

- 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

- **Starting at $4,995/-**
  US & Canada only*
- **Compact Design**
- **User-Friendly Interface**
- **Secure Data Management**
- **Advanced Visualization**
- **LIS/EMR Interface**
- **Quality Control Features**

Versatile Modes & Auto Calibration

SQA-iO+VU

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.

SQA-iO



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-VU

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.

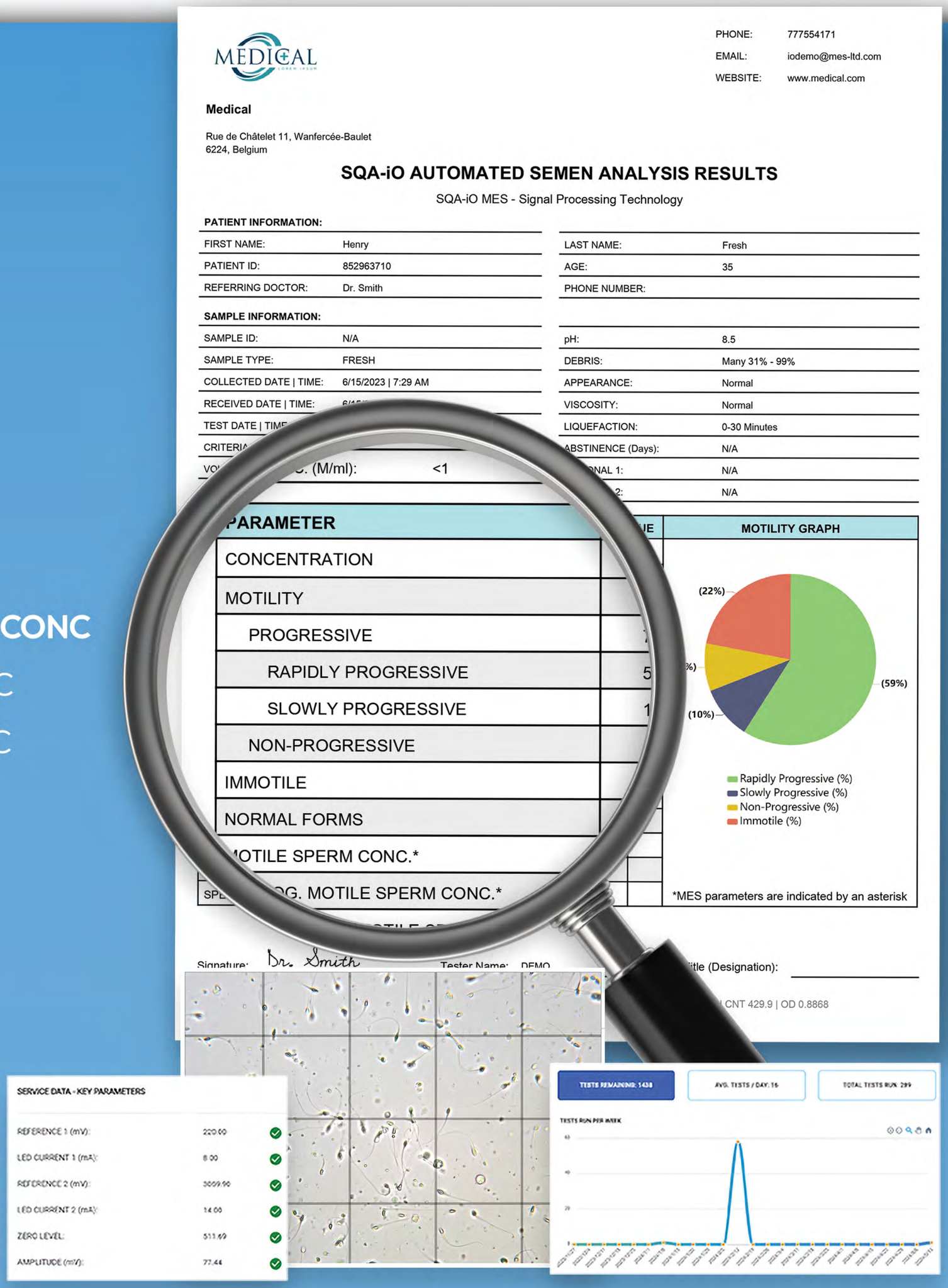
The **All-In-One PC** enhances the overall experience by providing a comprehensive, ready-to-use solution that supports efficient sperm analysis. ***Available only in the US & Canada.**

Advanced, Integrated, & Precise Analysis

SQA-iO +VU

Parameters

- CONCENTRATION
- MOTILITY
  - PROGRESSIVE
  - RAPIDLY PROGRESSIVE
  - SLOWLY PROGRESSIVE
  - NON-PROGRESSIVE
- IMMOTILE
- STRICT MORPHOLOGY
- MOTILE SPERM CONC
- PROGGRESSIVE 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



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-iQ +VU

Comparison with Manual Testing





SQA-iQ Testing		Manual Testing
Low COST Per Test	COST	High Labor COST
Only 75 Seconds!	Efficiency	Over 1+ Hour
Integrated LIS/EMR	Data Entry	Prone to Human Error
Reliably Accurate	Accuracy	Reliably Variable
Moderately Complex	Complexity	High Complexity

Replacing the Lab Microscope and More!

SQA-iO+VU

LIS/EMR Interface







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

LIS/EMR

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

clinisys

Epic

DEPARTMENT OF DEFENSE
MHS GENESIS
MILITARY HEALTH SYSTEM

Data Innovations

CrelioHealth

Cerner

MEDITECH

and many more...

Scan QR to Learn More

Compatible with Dozens of LIS/EMR Systems

QwikCheck™

DNA Fragmentation Kit



In-vitro Diagnostic Kit for
DNA Fragmentation
Reporting via the SCD Method

10 Tests
Supplies

Easy to Use
Instructions with steps

WHO 6th Edition
Small, Medium, & Large Halos

Affordable

Saves Prep. Time
<25 Minutes

Scan QR to
Learn More

Compatible with the **SQA-VISION** & any microscope

QwikCheck™ | DFI Kit is an in-vitro diagnostic tool for reporting sperm **DNA Fragmentation Index (DFI)** using the Sperm Chromatin Dispersion (SCD) method. It simplifies slide preparation for accurate sperm fragmentation assessment based on the 6th Edition (five categories) methodology. Halo sizes (small, medium, and large) relative to sperm heads can be evaluated with a microscope or the **SQA-Vision** Automated Sperm Quality Analyzer. The kit includes reagents for 10 tests and detailed instructions.

For Fertility & Andrology Labs

QwikCheck™

DFI Kit Contents

Kit Includes:

- 10 x Agarose Filled Tubes
- 10 x Agarose Coated Slides
- 12 x Coverslip Pieces
- 1 x Semen Diluent | 10ML
- 1 x Fixative | 10ML
- 1 x Giemsa A | 10ML
- 1 x Lys-A Solution | 10ML
- 1 x Giemsa B | 10ML
- 10 x Lys-A Powder



Streamlined Testing: 10 Tests Per Kit

QwikCheck™

Testing Kits

Problem-solving kits to simplify and improve Automated and Manual semen analysis techniques in the laboratory, Including sample preparation and quality control.

Scan QR to Learn More

QwikCheck™ QC BEADS

QC Beads ensure accurate sperm counting for automated and manual systems

QwikCheck™ LIQUEFACTION KIT

Liquefaction Kit promotes liquefaction for accurate semen analysis and simplified sample handling.

QwikCheck™ FIXED COVERSLIP SLIDES

Fixed Coverslip Slides simplify visual sperm assessment with an easy to load design and an accurate field of view

QwikCheck™ 1-STEP VITALITY STAIN

1-Step Vitality Stain quickly grades sperm vitality (Live vs. Dead) for automated or manual methods

QwikCheck™ DILUTION KIT

Dilution Kit elevates the semen volume and while preserving, motility for automated testing



Comprehensive Kits for Semen Analysis

QwikCheck™

Testing Kits



INCLUDES
100 x Strips

Learn More

QwikCheck™ REAGENT STRIPS

- Determines pH and leukocytes (WBCs) in semen
- Compare test patch colors to the chart on the bottle
- Only FDA cleared test strip for semen
- For professional use only

QwikCheck™ TEST STRIP QC

- Validates pH and WBC levels of the QwikCheck Test Strips
- Apply QC media to strip patches
- Compare colors to the chart
- Maintains reg. compliance and has 6-Month shelf life

Supplies for Semen Analysis Test

HOME SPERM TEST

At-Home Semen Analysis



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Learn More

Cleared by

Health Canada CE

Food & Drug Administration

KEY FEATURES

- Motile Sperm Conc.
- Live Sperm Video
- Yo Score
- Quick Testing: Results in Minutes
- Private & Reliable
- Convenient Sharing

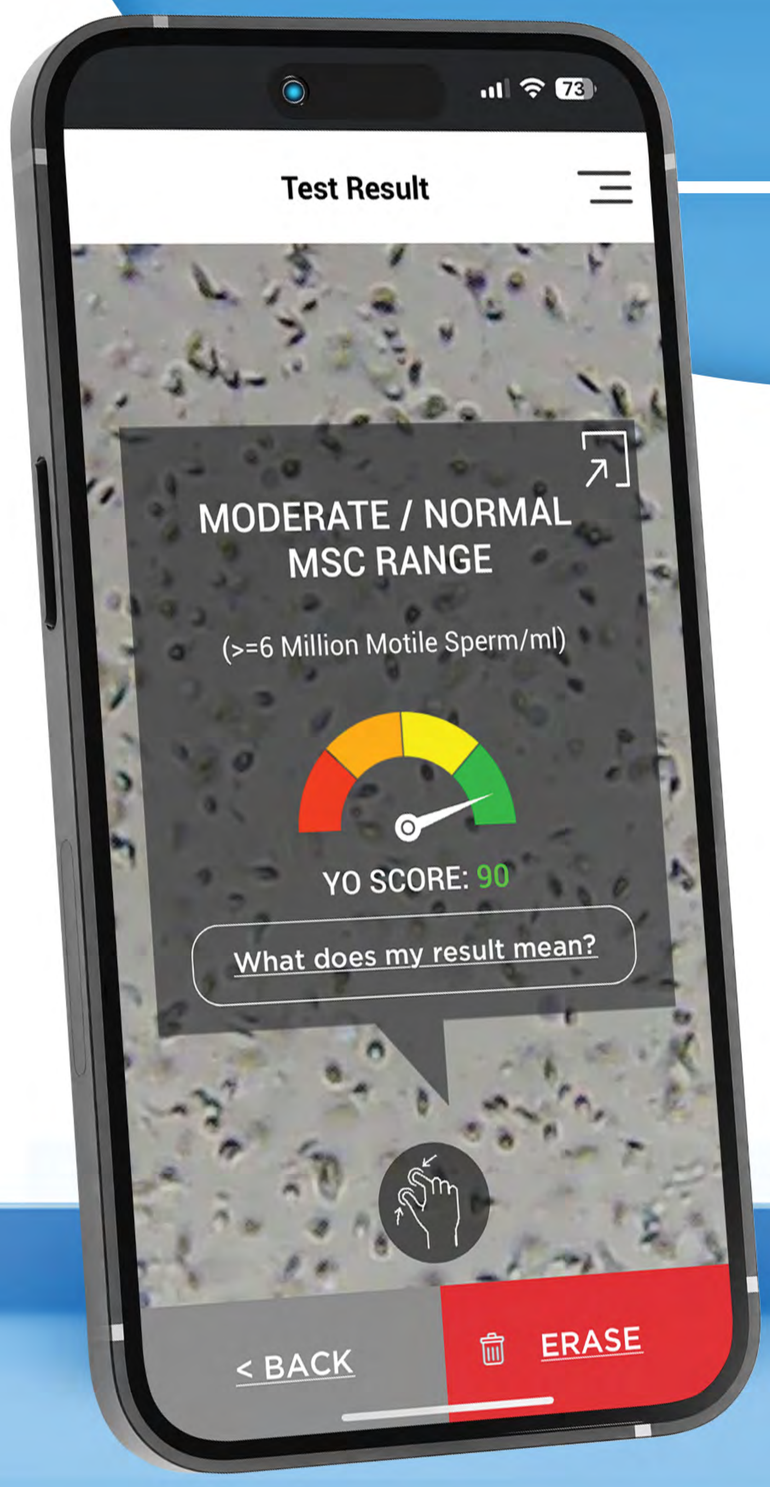
Comprehensive At-Home Fertility Screening

Quick, private and thorough!

Increased Engagement, Remote Testing

HOME SPERM TEST

Affiliate, Private Label & Wholesale Options



YO Sperm App

GET IT ON Google Play

Download on the App Store

Examples of Custom Packaging



Private Label

Brand infusion with **YO Home Sperm Test,** allowing you to market it to your patients with your own custom packaging!

Affiliate Program

Become an affiliate partner and receive a custom coupon code to share with your patients today.

Wholesale Options

Buy directly from us. Start with 10 kits, or order in bulk for larger **Discounts**!

KEY FEATURES

- Performs Motile Sperm Concentration test
- Ranks Quality against men who have fathered a child
- Cost Effective for the user
- Private testing at home
- Records a Video of the sample
- FDA-Cleared for use at home

Convenient, Private, At-Home Testing!

SQA

Low Volume Testing Capillaries



The **Low Volume Capillary (LVC)** is designed to test: IUI/IVF, Frozen, and other types of fertility sample preparations using only 10 microliters of sample.

For use with SQA-iQ & SQA-VISION

Assess Motile Sperm Concentration, Total Motile, Progressive Motile Sperm Concentration (rapid/slow), Total Progressive (rapid/slow), and Velocity.

Fertility Testing with 10-Microliter Samples

SQA

Testing Capillaries



Scan QR to
Learn More

The SQA - Testing Capillaries are designed to test:
Fresh, Washed, and Frozen samples for semen analysis,
Post-Vasectomy screening and fertility preparations.

The **Testing Capillaries** can assess Sperm Concentration,
Motility, Progressive Motility, Strict Morphology,
Velocity, and much more.

For use with SQA-iC & SQA-VISION

Semen Analysis & Fertility Sample Prep

QwikCheck™

Validation Kits



Learn More

QwikCheck™ Proficiency & Training Kit

- 20-Sample Accuracy
- Linearity Study
- Precision & LLD
- **SQA** Training Tool
- Meets CLIA Regulations
- Data Analysis Included

QwikCheck™ Precision & Linearity Kit

- Semi-Annual Validation
- Linearity and Precision
- Accuracy & LLD
- CLIA Regulations
- Count & Compare
- Data Analysis Included
- No Live Samples Needed

Streamlined Semen Analysis Validation Kits

SQA

Cleaning Kit



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Learn More

Kit Includes:



25 x Cleaning Paddles



25 x Drying Paddles



1 x Cleaning Brush



1 x Cleaning Fluid

For use with **SQA-iQ** & **SQA-VISION**

- Simple to Use
- Convinient Instructions
- Fast to Clean
- Keep System Reliable
- Device Longevity

Capillary Compartment Cleaning Kit

Medical Electronic Systems

MES Global Founded
May 1993



SQA-II-CP
April 1996

SQA-V
July 2001





MES USA Founded
January 2005

QwikCheck Gold
Feb 2007





QwikCheck Kits
October 2007

SQA-Vision
February 2015





YO Home Sperm Test
September 2017

SQA-iO
August 2020





SQA-Vu
July 2021

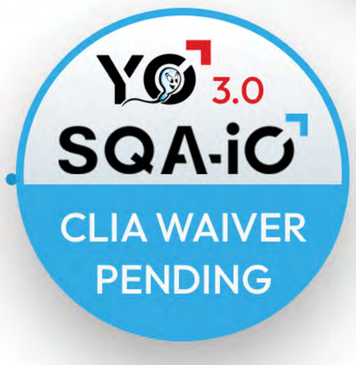
iPRO Training App
March 2022





DNA Fragmentation Kit
September 2022

YO 3.0 + SQA-iO CLIA Waived
Coming Soon



More Exciting Things Coming!

Medical Electronic Systems

TESTIMONIALS

VA | U.S. Department of Veterans Affairs

"The MES sperm instrument works all the time with hardly any issues and is a great little instrument I can count on. Furthermore, unlike other companies, the account manager routinely checks in to see how things are going and if we need anything."

Paul G Hines
US Department of Veterans Affairs

YaleNewHavenHealth
Lawrence + Memorial Hospital

"I would recommend this analyzer to any facility that is performing semen analysis for accuracy and consistency. The purchase of the SQA-Vision has been one of the best decisions made by the laboratory to provide the best care for our veterans."

Dr. Peter Speciale, MS, PhD
Microbiology Manager

SOME OF OUR CUSTOMERS...

uchealth
labcorp
Sutter Health
U.S. ARMY
LifeLabs®
Stanford Children's Health
Quest Diagnostics™
Intermountain Health
San Diego Fertility Center
An Ivy Fertility Center
OVATION® FERTILITY
KAISER PERMANENTE®
U.S. AIR FORCE

Dedicated to Your Success!

Medical Electronic Systems

NEED IMMEDIATE HELP?

GET A QUOTE

WE ARE HAPPY TO HELP!

CONTACT INFO:

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sales@mes-llc.com

MES-Global.com

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Learn More

Remember, It all started with a Sperm and an Egg!