



SQA-VISION

Automated Sperm Quality Analyzer

TEST PATIENT | PATIENT ID: 14651554544 | PATIENT NAME: Mickey Mouse | BIRTH DATE / AGE: 2/19/1987 28

| PARAMETER | RESULT | REF. VALUE | STATUS |
|-----------------------------------|--------|------------|--------|
| CONCENTRATION (M/ml) | 17.4 | >= 20 | PASS |
| TOTAL MOTILE PM + NP (%) | 71 | >= 40 | PASS |
| PROGRESSIVE PM (%) | 40 | >= 32 | PASS |
| NON PROGRESSIVE NP (%) | 11 | | |
| IMMOTILE IM (%) | 29 | | |
| NORMAL FORMS (Abn%) | 51 | >= 4 | PASS |
| MOTILE SPERM CONC. (M/ml) | 123.3 | | |
| PROG. MOTILE SPERM CONC. (M/ml) | 65.5 | | |
| FUNCTIONAL SPERM CONC. (M/ml) | 3.3 | | |
| VELOCITY (mm/hr) | 46 | | |
| SPERM MOTILITY INDEX | 83 | | |
| SPERM # (M/ml) | 34.7 | >= 38 | FAIL |
| MOTILE SPERM (M/ml) | 28.6 | | |
| PROG. MOTILE SPERM (M/ml) | 23.0 | | |
| FUNCTIONAL SPERM (M/ml) | 6.6 | | |
| IMMOTILE + NONMOTILE KINEM (M/ml) | 5.2 | | |
| VOLUME (ul) | 7.08 | | |
| pH | 7.4 | | |
| WBC CONC. (M/ml) | <1 | | |

SAMPLE INFORMATION

TEST TYPE: FRESH
 SAMPLE ID: 58488
 COLLECTED DATE / TIME: 2/19/2015 12:19 AM
 RECEIVED DATE / TIME: 2/19/2015 12:19 AM
 TEST DATE / TIME: 2/19/2015 12:47 PM
 CENTER: W40 5111
 SAMPLE TESTED: NORMAL VOLUME
 APPEARANCE (Mg): 3
 APPEARANCE: Normal
 VISCOSITY: Normal
 LIABE ACTION: Abnormal

COMMENTS:
 Sample was treated with QuickCheck Lysation successfully

Buttons: DEBRIS, MORPH, VITALITY, CAPTURE, GRAPHS, ADDITIONAL, RETEST, REPORT, SAVE



REMEMBER, IT ALL STARTED WITH A SPERM!

Subjective interpretation, long testing times, complicated proficiency and quality control requirements. For many labs semen analysis has become a chore that drains the bottom line and complicates the daily work flow. There is an opportunity to streamline your semen analysis program, reduce your cost per test, and deliver exceptional quality of care to your patients. The SQA-Vision sperm quality analyzer offers a workable solution, Now. Labs all over the world use MES analyzers to standardize testing, lower the cost per test, and report results in less than 75 seconds with the accuracy and repeatability you require and deserve.

FEATURES

Low Cost and Fast Turn Around

- Reduce sample testing time by 90%
- Deliver patient results immediately
- Cut your cost per test in half

Accuracy and Precision

- Accurate results regardless of expertise
- Exceptional repeatability
- Inter / Intra laboratory standardization

Stay Current with New Standards

- WHO 5th Edition testing criteria
- SQA specific CAP proficiency challenge
- FDA approved / CLIA moderately complex

Fast - Objective - Standardized

Day to Day Simplicity

- Disposable testing capillary
- Easy to learn and use
- From power ON to testing in minutes
- Solutions in place for the whole testing process
- Live phone support and e-mail/online assistance

Peace of Mind

- Objective Testing
- Video and picture confirmation
- Proven technology

SQA-VISION

Automated Sperm Quality Analyzer



Fully Automated Test Results

- Sperm Concentration
- % Motility
- % Progressive Motility
- % Non-Progressive Motility
- % Rapid / Slow Progressive
- Immotility
- % Normal Morphology
- Motile Sperm Concentration
- Functional Sperm
- Velocity
- And More

Semi-Automated Test Results

- Full Morphology Differential
- Vitality
- Pinheads
- Debris/Round Cells

Technical Specifications

- 24" HD touch screen interface
- 75 second automated testing cycle
- Barcode scanner
- Built in LIS interface
- Fully customizable reporting
- High resolution visualization system
- Record video clips and capture images
- Interactive help menus on each page
- Built in timer for sample preparation
- "Click-to-mark" visualization counters
- Automatic backup and restore functions
- Programmable QC alerts
- Integrated maintenance checklists and alerts

Simple to learn and easy to use, the Vision system comes with on-site training, validation assistance and expert support of your entire semen analysis program. Take advantage of our automated solution and the years of experience we have supporting our extensive customer base.

On-Site Installation and Training Includes:

- Standard Operating Procedure and integration assistance
- Thorough training on the Vision system and the semen analysis process
- Technical and clinical support resources at every step
- Validation assistance to get you automated rapidly for fast ROI
- Simplified proficiency, QC and validation procedural training

In addition to Sperm Quality Analyzers, MES also produces a line of QwikCheck™ Test Kits designed to assist with all forms of manual and automated semen analysis.



QwikCheck™ Beads

- Quality control latex beads for testing sperm concentration.
- For use on both manual and automated systems.
- Instructions for use on all types of chambers and automated systems.
- 3 Levels of QC material: High, Low and Zero.



Vision Fixed Coverslip Slides

- Fixed depth with 1 step capillary action loading.
- Can be used for assessing Sperm Concentration and Motility.
- Works with manual and automated methods.
- 25 double sided slides (50 total uses).



QwikCheck™ Liquefaction Kit

- Used to quickly liquefy viscous semen samples.
- Assists with sample mixing for accurate results.
- 20 single dose treatment vials.



SQA Validation Kit

- Includes Accuracy, Precision, Linearity, and Lower Limit Detection studies.
- Statistical analysis and report from MES included with purchase.
- Designed to meet most CLIA requirements for initial instrument validation



QwikCheck™ Dilution Kit

- Used to dilute semen samples without impacting motility.
- Can be used to increase volume on short samples.
- 50 CC sterile dilution media.



SQA Cleaning Kit

- Keep your SQA instrument reliable and accurate.
- Daily and Weekly cleaning supplies and instructions.
- 25 weeks of cleaning supplies included in each kit.



QwikCheck™ Vitality Kit

- One step stain process for identifying live and dead cells.
- Simple to use and easy to evaluate.
- 5 individually sealed vials for increased shelf life.



SQA Testing Capillaries

- Disposable after use.
- Designed for all SQA type instruments.
- Box of 50 with instructions for use.



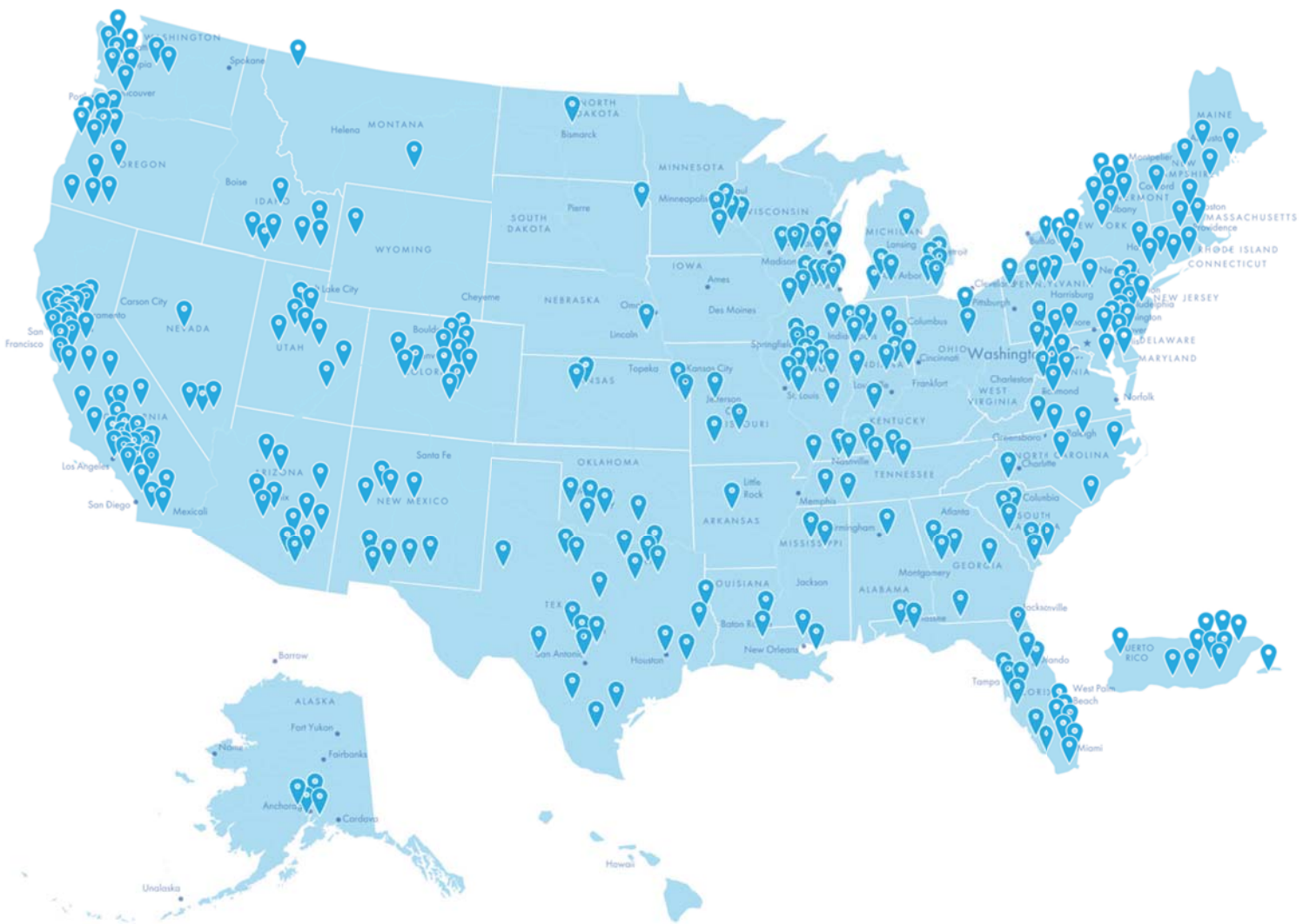
QwikCheck™ Test Strips

- FDA approved semen WBC and pH reagent test strips.
- Quick 1 minute reaction time.
- 100 test strips.



Veterinary Applications

- Bull
- Horse
- Pig
- Turkey



Medical Electronic Systems (www.mes-global.com) is a Los Angeles based technology company specializing in rapid, automated semen analysis for the human and the veterinary markets. The MES line of CE and FDA cleared Sperm Quality Analyzers, complementary testing kits and disposable testing supplies are sold through an extensive network of international distributors. MES is ISO certified as a medical manufacturer and has wholly owned distribution offices in America, Europe, China and Israel.

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Medical Electronic Systems, LLC