



Automate Sperm Analysis to a World Class Standard...

Automatic Sperm Quality Analyzer **SQA-iO**

Sample Visualization Unit **SQA-VU**



- Sperm analysis in 75 sec
- Interactive user interface
- Accurate and objective results

Remember, it All Started with a Sperm!

Medical Electronic Systems (MES), the worldwide leader in automated semen analysis for more than 20 years, is pleased to introduce the SQA-VU, a visualization device that interfaces with the SQA-iO sperm quality analyzer. With the user-friendly counting screens and image/video capture interface, sample concentration, motility and morphology can be easily assessed for automated sample confirmation.

Ease of Use & Regulatory Compliant

Guided testing interface

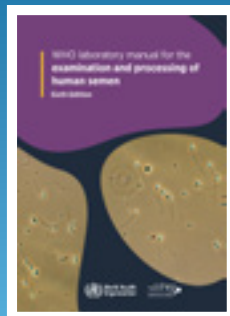
Auto calibrating

QwikCheck Beads QC

Fast with accuracy > 97 %

Proficiency: CAP / QuaDeGa / NEQAS / others

WHO 5th or 6th settings



Results in 75 sec



Reports 18 sperm parameters



Replaces an hour of manual testing



Accuracy > 97 %



Precision



Objectivity



Standardization

Medical Electronic Systems (MES)

20 years of the Sperm Analysis Automation



Reported Sperm Parameters



- ✓ Concentration
- ✓ Motility
- ✓ Progressive
- ✓ Rapidly Progressive
- ✓ Slowly Progressive
- ✓ Non Progressive
- ✓ Immotile
- ✓ Normal Forms
- ✓ Motile Sperm Concentration
- ✓ Progressive Motile Sperm Concentration
- ✓ Rapid Progressive Motile Sperm Concentration
- ✓ Slow Progressive Motile Sperm Concentration
- ✓ Functional Sperm Concentration
- ✓ Total Ejaculated Parameters

Testing capillary

Low volume testing capillary (10 μ l)

Motility chamber

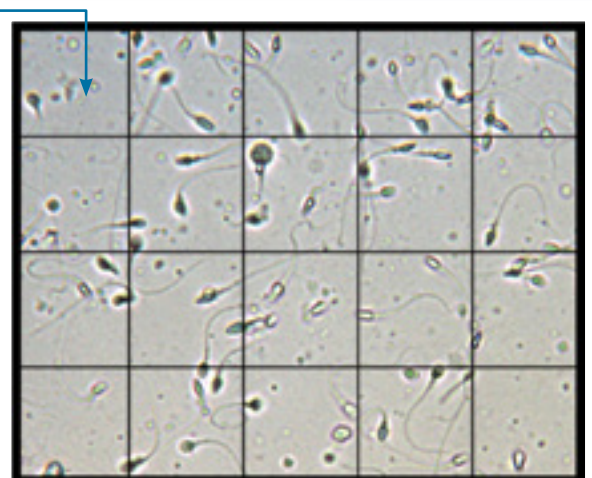
Concentration chamber

Cuvette chamber

Chamber for biomaterial



Counting Grids / Patient Archive



- Manual counting grids
- Patient and test archive
- Capture and Archive sperm images and videos

SQA-iO TEST REPORT



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University Laboratory
5000 West Street LA, CA 90000

Customizable Report

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EMAIL: MES@mesnet.com
SITE: www.mes-net.com

SEMEN ANALYSIS RESULTS

PATIENT INFORMATION

PATIENT ID:	4435353	SAMPLE ID:	454546
PATIENT NAME:	Dev Agarwal	BIRTH DATE AGE:	17/03/1988 32
REFERRING DOCTOR:	Dr. Mehta	PHONE NUMBER:	815-5641 425

SAMPLE INFORMATION

SAMPLE TYPE:	FRESH	pH:	7.5
COLLECTED DATE:	20/05/2020 10:00	APPEARANCE:	NORMAL
RECEIVED DATE:	20/05/2020 10:20	VISCOSITY:	ABNORMAL
TEST DATE:	20/05/2020 11:00	LIQUEFACTION (min):	NORMAL
CRITERIA:	WHO 5TH	ABSTINENCE (days):	3
VOLUME (mL):	2.5	OPTIONAL 1:	Very clear seminal plasma
WBC CONC. (M/H):	<=1	OPTIONAL 2:	QuickCheck used for liquefaction

PARAMETER	Result	REF VALUE	MOTILITY GRAPH
CONCENTRATION (M/H)	24.1	>= 15	
TOTAL MOTILE PR + MP (%)	78	>= 40	
MOTILE SPERM CONC. (M/H)	18.8		
PROG. MOTILE SPERM CONC. (M/H)	16.5		
NORMAL FORMS (%)	20	>= 4	
TOTALS PER EJACULATION			
SPERM # (Mjaco)	60.2	>= 39	
MOTILE SPERM (Mjaco)	47.1		

Comments: Send results to Dr. Mehta

Signature: Tester Name: John Doe Title (Designation): Lab Technician

SQA-iO Device SR: 10111 | Conc. Standard 1 | 20/05/2020 11:30:01 | AVG 55.81 | RW 15427 | CNT 330 | CD 1.126



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CA 90000 University Laboratory

Test Patient Screen

FRESH

PATIENT INFORMATION

PATIENT ID *	FIRST NAME *	LAST NAME *
4435353	Dev	Agarwal
AGE **	PHONE NUMBER *	REFERRING DOCTOR
32	815 5641 425	Dr. Mehta

SAMPLE INFORMATION

COLLECTED DATE AND TIME *	RECEIVED DATE AND TIME *	VOLUME (mL)
20/05/2020 10:00	20/05/2020 10:20	2.5
pH	APPEARANCE *	VISCOSITY *
7.5	Normal	Abnormal
ABSTINENCE (days) *	OPTIONAL 1	OPTIONAL 2
3	Very clear seminal plasma	QuickCheck used for liquefaction

TESTER INFORMATION

TESTER NAME	TITLE (DESIGNATION)
John Doe	Lab Manager

Signature: Tester Name: John Doe Title (Designation): Lab Technician

SQA-iO Device SR: 10111 | Conc. Standard 1 | 20/05/2020 11:30:01 | AVG 55.81 | RW 15427 | CNT 330 | CD 1.126

We reserve the right to change specification without notice.



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