

Sperm Quality Analyzer AJ-ZQ8



Technical parameters:

- 1) the number of pieces of image acquisition 1-100 pieces.
- 2) the field of view of each of the collection analysis time 1-10 seconds.
- 3) range detection rate of 0-240 μ m / s.
- 4) the field of the selected field 1-30.
- 5) the measured maximum number of sperm per 1000 , error \pm 2%.
- 6) sperm density detection range of 0-300 million / ml without dilution.
- 7) for a microscope objective magnification 10X.20X.40X.100X.
- 8) sperm detection system display.
 - a, sperm static distribution.
 - b, sperm dynamics trajectories.
 - c, semen characteristics and various data. the main performance analysis of statistical data.
 - d, display a variety of sperm velocity and dynamic histogram classification figure.
 - e, name of patient information , such as case management.
- 9) the printout contents sperm detection system.
 - a, the sperm of the main technical data.
 - b, sperm dynamics trajectories.
 - c, analysis, judgment histogram.
 - d, name of patient information , such as case management.

10) according to WHO standard test data using sperm count plate (thickness 10um).
 11) can detect the movement of sperm 26 indicators , and can track the trajectory of sperm are described,color trajectory (red , blue two tracking trajectories).

12) can be analyzed sperm motility overlay.

13) can be dynamically learn sperm statistical analysis and medical records , analysis of dynamic parameters with a, b, c, d level analysis.

14) can be carried out statistical analysis of sperm morphology and medical records , with the virtual grid power energy, preparing the fourth edition of WHO morphology software reference the latest standards , sperm deformity rate can be calculated.

And conduct deformity classification. Morphological analysis with a total of 26 parameters as follows :

Analysis of the target number, Morphologically normal sperm count, abnormal sperm morphology , the bulk of sperm count, sperm head count, hammer shaped sperm count , sperm count pear-shaped, amorphous sperm count, sperm count vacuolar head, headed sperm the number of defects in the neck and middle sperm count, sperm tail defects, other abnormal sperm count, sperm sub- cells, white blood cells, round cells, analyzing sperm count, sperm normal average non-average normal sperm head length (um), the head width (um), the length / width ratio (%) , head area (um²), head circumference (um), acrosome ratio (%).

15) microscopic observation , image acquisition and data analysis : can detect sperm density , vitality and significantly

Static maps showing the sperm , the sperm dynamic trajectories , etc., and the major data sperm analysis.

16) according to WHO standards using sperm count plate (thickness 10um), test data accurately .

17) morphology software : its preparation of the fourth edition of the latest WHO reference standard , computable sperm deformity

Malformation rate and be classified , can detect 26 targets.

18) only recognized by WHO clinical world's most advanced U.S. IVOS-CASA system related

Verification .

Features:

Real-time dynamic display, digital capture, dynamic movie playback, RGB24bits true color.

Visualization of real-time image processing functions: pseudo-color, scaling, mirroring, interception.

Provide accurate measurements annotation: perimeter, area, histogram.

Wealth of diagnostic information database, providing powerful expert diagnosis thesaurus and pictures.

Professional case management system: query, statistics, delete, backup.

Professional full-screen display, diagnosis is more clear, accurate, intuitive, easy multiplayer consultation, teaching.

Support network transmission function can be set up PACS systems.

Read DICOM image format files.

Standard Configuration

Mainframe computer Intel Core i5, 8 Gb RAM with 23 inch display (1920x1080), HDD 2Tb 1set

Sperm counting chamber 1pc

English software 1set

Sperm special microscope 1set

24 MP Full HD camera 1set

Medical cart 1set

HP inkjet color printer 1set

English user manual 1pc.

Options

Temperature control unit

Laser color printer

Olympus microscope

Ruby sperm counting chamber.

Report Sample



Institution

Semen And Sperm Quality Analyze Report

Number: 0000000001

Time: 2017-03-08 13:08

Name:	Age:	SampleDate: 2017-03-08	Dept.:
MedRecNo.:	AdmitNo.:	Dept.No.:	BedNo.:
Volume(ml):	Dilution: 1:1	Smell:	pH:
DaysOfRest:	FluidTime(min):	Fluid:	
Viscosity:	Appearance:	Collection:	
TotalDetected:	PR progressive (motility):		
Concentration(10^6 /ml):	NP non-progressive (motility):		
TotalOfMotileSperm:	IM immotility:		
PercentOfMotileSperm(%):	(Base on WHO5 new edition)		
VAP(AveragePathVelocity)(um/s):	PercentOfLineMoving(%):		
VCL(CurvilinearVelocity)(um/s):	LIN(Linearity):		
VSL(StraightlineVelocity)(um/s):	STR(Straightness):		
ALH(AmplitudeOfLateralHead)(um):	WOB(wobble):		
BCF(BeatCrossFrequency)(Hz):	MAD(MeanMoveAngleDegree):		
TotalInSample:	x 10^6 Normal:	Anomaly:	RateOfAnomaly(%):
AnomalyOfHead:	AnomalyOfBody:	AnomalyOfTail:	RBC:
MixedAnomaly:	Epithelium:	Spermatoocyte:	WBC:

VCL Distribution

VSL Distribution

VAP Distribution

MotilityDistribution

SpermMotileTracks

(Reference)

Colour:Gray/LightYellow,Volume \geq 1.5ml,Normal \geq 4%,pH \geq 7.2,FluidTime \leq 60min,Temperature:35 \pm 1 $^{\circ}$ C
PR+NP(Total) \geq 40%,PR \geq 32%,MotileRatio \geq 58%,Density \geq 15x 10^6 /ml,TotalInSample \geq 39x 10^6 /Ejaculat

Company

Applicant:

Doctor: