

TECHNICAL DATA SHEET

Sperm Quality Analyzer YSSW3703

Sperm Quality Analyzer YSSW3703

1. Apparatus Introduction

Intelligent product used in modern reproductive medicine with the combination of computer image processing technology and advanced artificial intelligence technology. It can be used for automatic identification of sperm and automatic tracking of sperm movement fast, finish the analysis for a number of parameters in conformity with the WHO international standards and take comprehensive quantitative analysis of sperm activity and static characteristics. It is suitable for clinical semen test, providing an important scientific basis for male fertility.

2.Apparatus Features

- 1) Can filter out all kinds of impurities which are different from sperm to ensure the test accuracy.
- 2) Scatheless test sample can ensure the sperm's natural motion state and monolayer sampling.
- 3) All the data and dynamic and static images of sperm examination for patients are digitally stored. It can be used for variedly querying, modifying, adding up, and printing inspection reports, and also be shared to within the networking freely.
- 4) Advanced morphological analysis software, clearly and intuitively colorful picture.

3.Examination Items

- 1) Sperms density, survival rate of the sperms, the movement locus of sperms, and distribution curve of sperms movement
- 2) Average speed, total number of the sperms, total numbers of motile sperms, survival rate of the sperms in the curvilinear motion of the sperms
- 3) Average speed, total number of the sperms, total numbers of motile sperms, survival rate of the sperms in the rectilinear motion of the sperms
- 4) Average speed, total number of the sperms, total numbers of motile sperms, survival rate of the sperms in the average path motion of the sperms
- 5) Graded speed of sperms motion: the survival rate of A rapid motion forward, B slow motion forward, C non travel forward, D hyperslow or motionless of the sperms
- 6) The side-way amplitude of sperms, sperms wing, whipping frequency of sperms, the rate of rectilinear motion, total number
- 7) Linear speed, average speed of motion, the sperms' number of linear motion

4. Technical Parameters

- 1) Maximum of the tested sperms: 1000
- 2) Range of test speed: 0-180um/s
- 3) Frame number of picture: 0-75
- 4) Resolution of particle diameter: 0-150μm/s

- 5) Analysis time: 1-5 seconds or longer
- 6) Group number of collected images: 1-15 groups
- 7) Microscope objective lens: 10x.20x.40x.100x
- 8) Displayed content of sperm test system is no less than:
 - 1) distribution curve of static sperms,
 - 2) the features data of semen and statistical data from analysis of all the main functions,
 - 3) sperm dynamic trajectory curve,
 - 4) display various sperms motion speed and energy is arrhythmic map of sperms,
 - 5) case information for management such as patients' name;
- 9) Output content from sperms test system is no less than:
 - 1) the main technical data of sperms,
 - 2) sperm dynamic trajectory curve,
 - 3) analysis and determinant histogram
 - 4) case information for management such as patients' name

Panama | Central America | Caribbean | CARICOM

Information from the authorized catalog. Confirm configuration, accessories and documentation in the quotation.

Assisted translation: review the manufacturer specifications before purchasing.