

Automatic Sperm Quality Analyzer With Microscope



Automatic Control Functions

- It supports lateral (X-axis) and longitudinal (Y-axis) movement of the microscope stage, accuracy 0.25 μ m.
- It supports up-and-down movement of the microscope stage (Z-axis) to adjust focal length, which supports auto focus and accuracy is 0.025 μ m.
- It supports to freely set the light level (level 0-99).
- One to four specimens can be collected at a time.



[illegible]

- Simple and guided operation, quickly get started.
- There is no limit to the number of visual field groups that can be collected.
- The trajectory detection uses a single-view full-image synchronization processing analysis algorithm with precise trajectory.
- More than 30 sperm parameters such as sperm density, sperm motility, sperm motility trajectory, sperm motility map, total number of spermatozoa were tested and analyzed. Morphological analysis was performed with various detection parameters.
- The software can quickly, accurately and objectively detect various parameters of the dynamic(Static) state of sperm, such as the speed and density of sperm, and display in the form of motion trajectories. The sperm viability and viability grading are shown.
- Complete test items cover the vast majority of semen analysis projects, including semenological traits, dynamic analysis of sperm microscopy, morphological analysis, sperm function test, and chemical analysis, etc
- Sperm trajectory can be tracked and color trace curve can be depicted to export. The trajectory line color can be set freely, which can count the sperm and display the sequential digital annotations.
- Sperm density detection range is so wide that the sample does not need to be diluted.
- Can filter out all kinds of impurities which are different from sperm to ensure the test accuracy.
- Scatheless test sample can ensure the sperm's natural motion state and monolayer sampling.
- Numeric identification of sperm images is automatically assigned numbers. Individual sperm are numbered independently and the trajectory curve color is optional. Accurate tracking and recognition of the trajectory can be performed to obtain more precise motion parameters and statistical parameters, which greatly improves the accuracy.
- It supports the unified audit function after the collection of multiple specimens is completed, effectively improving the doctor's working efficiency.
- It support playback of audit images function, effectively avoiding missed detection errors.
- Report can be flexibly set according to your needs.
- It support hospital network server sharing and sent to network ports such as LIS/HIS.
- The powerful computer can quickly store a variety of medical records and images, and can be called up to view and print at any time.

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