Computer Assisted Sperm Analysis system

BIZKOR 15

Advanced AI-Powered CASA Technology





Computer Assisted Sperm Analysis system

BIZKOR 15

TECHNICAL SPECIFICATIONS.






Andro Series

Bizkor 15 is a fully automated Computer-Assisted Sperm Analysis (CASA) system designed to deliver fast, accurate, and standardized semen analysis. Featuring AI-powered image analysis, a built-in computing module, and a high-sensitivity touchscreen, it operates as a complete standalone solution without requiring a PC. Comprehensive WHO-compliant results are available in 15 seconds, while adjustable multi-field scanning ensures reliable analysis, even for low sperm concentration samples.



Technology: 10 µm fixed-depth dual-chamber counting slide

Clinical Benefit: Eliminates Z-axis depth errors associated with reusable slides, ensuring accurate and reproducible sperm concentration and total sperm count measurements.

Technology: Built-in adjustable heating stage (30–45°C)

Clinical Benefit: Complies with WHO standards by maintaining a constant 37°C, preventing reduced sperm motility due to low temperatures and ensuring accurate motility and velocity analysis.

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ona.

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Andro Series

Analysis Parameters

CONCENTRATION AND MOTILITY.

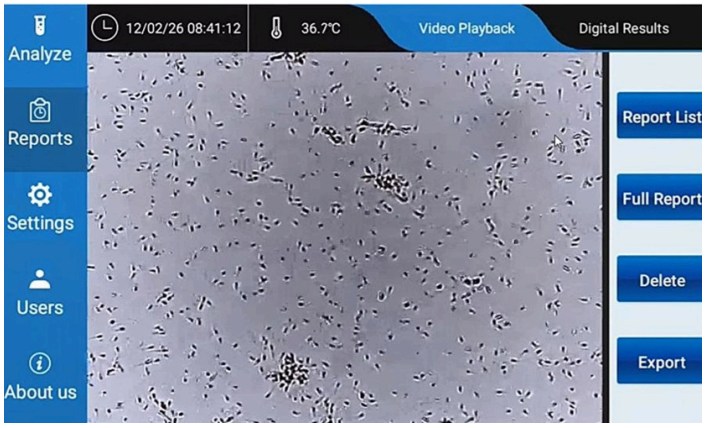
Total Immotile
Motile
Progressive
Rapid-progressive
Slow-progressive
Non-progressive
Round cells (non-sperm)

MORPHOLOGY.

Normal
Abnormal
Head defects
Midpiece defects
Tail defects
Cytoplasmic residue
Teratozoospermia index (TZI)
Sperm Deformity Index (SDI)

KINEMATIC.

VSL Straight-Line Velocity
VCL Curvilinear Velocity
VAP Average Path Velocity
DCL Distance Curvilinear
DSL Distance Straight Line
DAP Distance Average Path
ALH Amplitude of Lateral Head Displacement
BCF Beat-Cross Frequency
LIN Linearity
STR Straightness
MAD Mean Angular Displacement
WOB Wobble



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TECHNICAL SPECIFICATIONS.

PRODUCT TYPE.

Fully Automated Sperm Quality Analyzer

COMPLIANCE STANDARDS.

WHO 6th Edition, ISO 23162

HEATING STAGE.

Built-in, 30-45℃ adjustable

DISPLAY.

7-inch high-sensitivity touchscreen

COUNTING CHAMBER .

10 µm fixed depth, dual-chamber

FIELDS OF VIEW.

Adjustable fields of view: 2–10

REPORT.

PDF and Excel, customizable

CONNECTIVITY.

External mouse and keyboard, USB, barcode scanner, PC workstation software, LIS

POWER SUPPLY.

100–240 V ~ 50/60 Hz

DIMENSION&WEIGHT

207 × 283 × 244 mm, 4.5 KG



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