



X1 - PRO





SE Semen Quality Analyzer

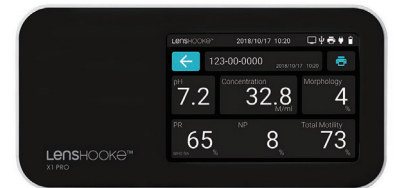
SE Semen Quality Analyzer



4 Key Data for Diagnosis

※ Comply with WHO 4th & WHO 5th edition.

-  pH value
-  Concentration
-  Morphology
-  Motility (NP, PR, Total Motility)



Semen Quality Analyzer

Compact & Automatic



Auto Focus & Full HD

LensHooke® X1 PRO is capable of taking 1080P Full HD dynamic images to enable immediate sperm morphology examination by medical personnel.



CASA Report

LensHooke® X1 PRO offers more parameters from CASA assessment to further evaluate the sperm motility. (MSC, PMSC, VAP, VSL, VCL, LIN, STR, WOB, ALH, and BCF)



LAN Connection

LensHooke® X1 PRO LAN solutions can allow other computers / laptops to connect with the analyzer to preview or download the files and videos.



Quality Control

By using with LensHooke® X QC Beads, LensHooke® X1 PRO can do the Quality Control test in 3 different concentration levels.



Barcode Scanning

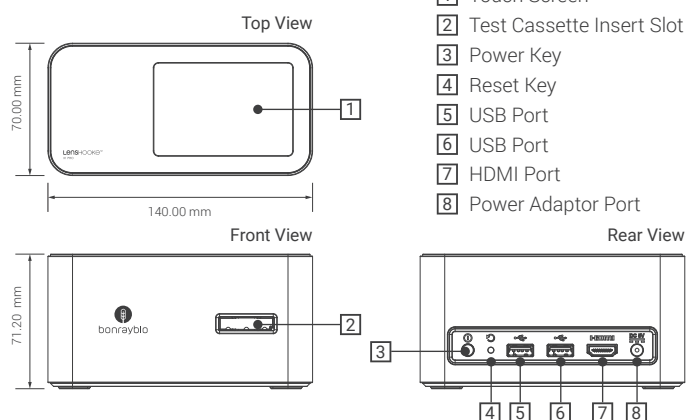
LensHooke® X1 PRO is able to connect with the barcode scanner by USB port to scan the patient's ID or product lot number.

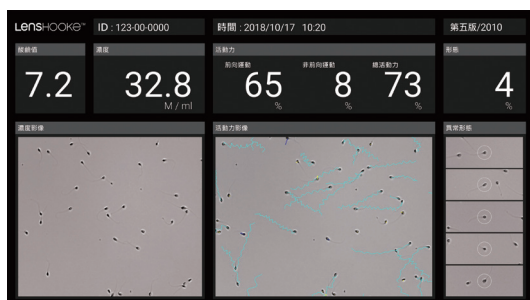
Intended use

The LensHooke® X1 PRO Semen Quality Analyzer used with LensHooke® Semen Test Cassette is an easy-to-use, optical device for human semen analysis which provides direct and calculated measurements for:

- (1) Sperm concentration (106per ml)
- (2) Total motility (PR+NP, %)
 - Progressive motility (%)
 - Non-Progressive motility (%)
 - Immotility (%)
 - Other parameters from CASA assessment (MSC, PMSC, VAP, VSL, VCL, LIN, STR, WOB, ALH, and BCF)
- (3) Sperm morphology (normal forms, %)
- (4) pH value

Product Overview





Analyzer Specification

Analyzer name

LensHooke® X1 PRO Semen Quality Analyzer

Control panel

3.5-in resistive touch screen

External power input

AC 100-240V / 50~60 Hz; Output DC 5V / 2A

Battery durability

2500 mA (embedded re-chargeable lithium polymer battery, DC3.7V / 2.5Ah)

Internal storage capacity

30 records including data and images

Detection time

2~5 minutes (depends on the sample condition)

Power adaptor:

Input: 100~240 Vac, 50~60 Hz, 0.5 A

Output: 5 Vdc, 2 A Max

Operation environment

Temperature 15°C~38°C (59°F~100°F)

Humidity < 70%

Storage environment

Temperature 15°C~38°C (59°F~100°F)

Humidity < 70%

Transportation environment

Temperature -10°C~60°C (14°F~140°F)

Auto Focus & Full HD

LensHooke™ X1 PRO is capable of taking 1080P Full HD dynamic images to enable immediate sperm morphology examination by medical personnel.



LAN Connection

LensHooke™ X1 PRO LAN solutions can allow other computers, laptops, and iPads to connect with the analyzer to preview or download the files and videos.



Allows users to choose between static or dynamic IPs.

Diversified Report Format

LensHooke™ X1 PRO provides PDF, video reports, and CSV format data reporting to allow for easier system transfer.

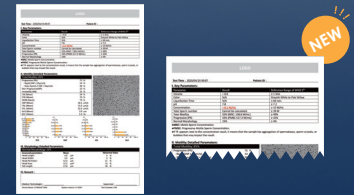


4 Key Data for Diagnosis



Customized PDF Report

LensHooke™ X1 PRO offers 4 key data for diagnosis in data format (MSC, PMSC, VAP, VSL, VCL, LIN, STR, WOB, ALH, and BCF), and allows users to choose their own logo/title and add it to the PDF report.



Barcode Scanning

LensHooke™ X1 PRO is able to connect with the barcode scanner by USB port to scan the patient / sample's ID or product lot number.



Quality Control

By using with LensHooke™ X QC Beads and X QC Reticle, LensHooke™ X1 PRO can do the Quality Control Test in 3 different concentration levels.



Only 3 Steps

and 2~5 minutes to get all of the test results!



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