







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

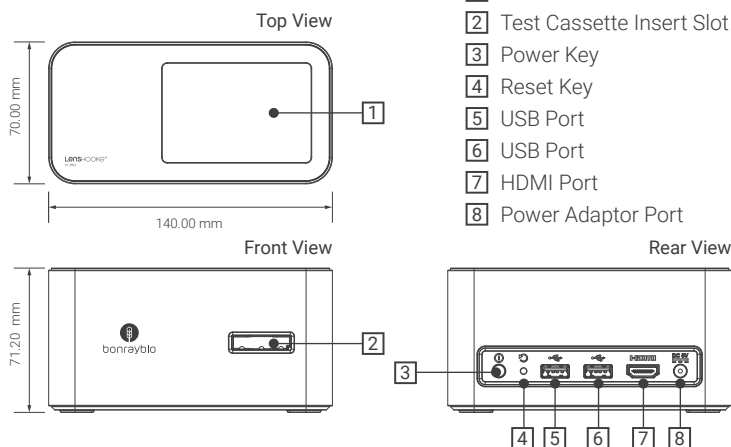
LensHooke® X1 PRO is able to connect with the barcode scanner by USB port to scan the patient's ID or product lot number.

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 (10^6 per 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)