

Product Specification

LensHooke® X12 PRO Semen Analysis System

Control Panel	13-in Capacitive touch screen
Screen Resolution	1920 (H) * 1080 (V) ; Color
Support Language	English / Traditional Chinese / Simple Chinese
External Power Input	100~240 VAC 800mA max 50/60 Hz
Measurement Parameter	Sperm DNA Fragmentation
Measurements Range	Semen Analysis: <ul style="list-style-type: none">• Concentration 0~300 10⁶/mL• Total Motility 0~100%• Morphology (Normal forms) 0~100%• Round cell 0~10 10⁶/mL• Sperm DFI (DNA Fragmentation Index) 0~100%
Detection Time	6 minutes (depends on the sample condition)
Connection Interface	HDMI / USB 2.0 / Ethernet
Operation Environment	15~30°C : 59~86°F , Humidity <70%
Storage Environment	15~38°C : 59~100°F , Humidity <70%
Transportation Environment	-10~60°C : 14~140°F , Humidity <70%
Warranty	One Year
Storage Capacity	More than 5,000 records including data and images
Size	370 (Width) * 281 (Depth) * 204 (Height) mm
Weight	Net Weight 11 ± 0.5kg

LensHooke®

X12 PRO

Semen Analysis System

For Professional



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lenshooke lenshooke.com

ver.2317



Concentration



Morphology



Motility
(NP, PR, Total Motility)



Sperm DNA
Fragmentation

2023 NEW
Semen Analysis

X12 PRO

Semen Analysis System



Sperm DNA Fragmentation

Fast & Simple, Only 3~6 minutes

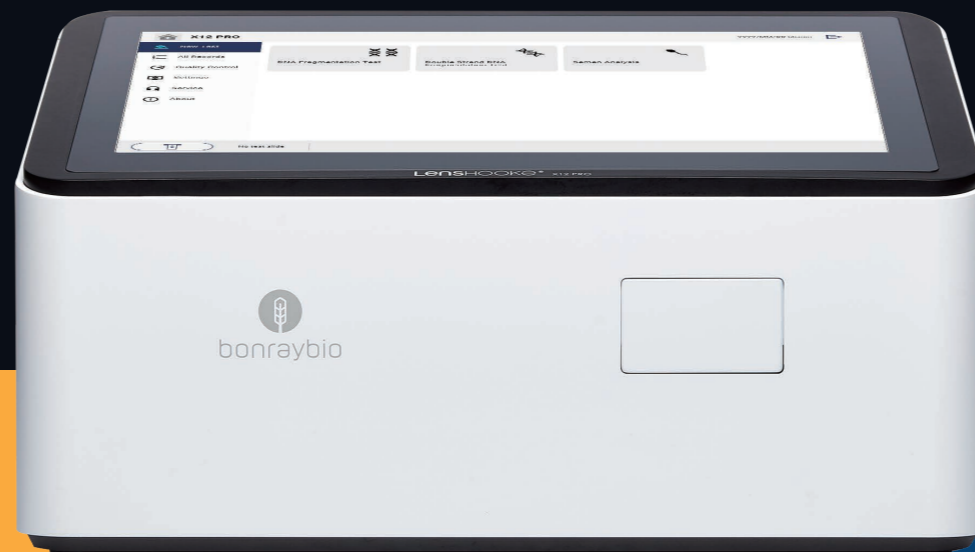
CS3 Other brand

Full Coverage Space Remaining

Special Surface Treatment

Special Mechanical Design Patent pending

Full Coverage Prevent Bubble

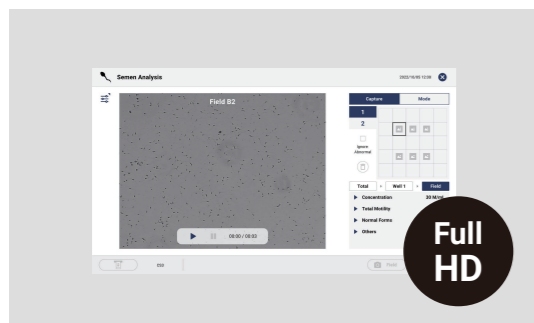


R10 Other brand

Clear Burred

Patented TWI775252 In-Gel Denature Technology

Save Time Clear Image



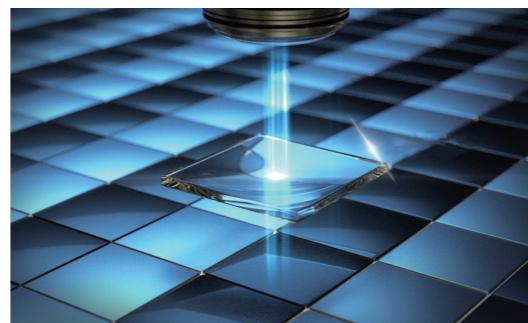
AI Auto focus & Full HD

LensHooke® X12 PRO is capable of taking Full HD dynamic images for the test.



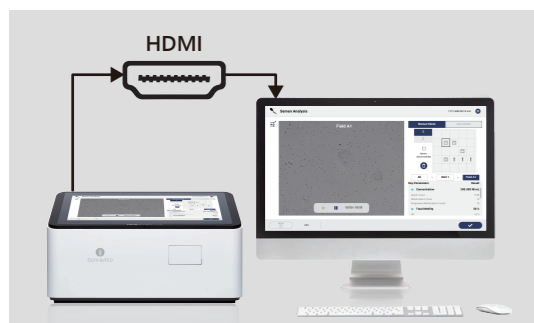
AI Automatic XY Table

LensHooke® X12 PRO has an automatic XY table to move the slide to take photos for the different fields.



AI Multiple Field

LensHooke® X12 PRO has multiple fields to exam the slide.



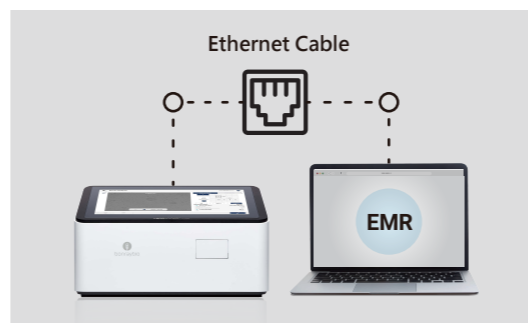
AI HDMI Function

LensHooke® X12 PRO allows connecting the monitor with an HDMI cable.



AI Barcode Scanning

LensHooke® X12 PRO is able to connect with the barcode scanner by USB port to scan the patient's or sample's ID.



AI Local Network Connection

LensHooke® X12 PRO LAN solution can allow other computers to connect with it.

LensHooke® Semen Analysis Report

Analysis Time: 2023/07/29 17:47 Collected: 2023/07/29 17:47 Received: 2023/07/29 17:47

Sample ID: TEST

Parameter	Result	WHO5	95% CI
Sperm count			
Concentration	30.0 M/mL	≥ 16 M/mL	[15 - 18]
Total Sperm Number	300.00 M	≥ 20 M	[35 - 40]
Motility			
Total Motility (a+b)	50%	≥ 45%	[40 - 43]
Progressive (a+b)	40%	≥ 30%	[29 - 31]
- Rapid Progressive (a)	20%	-	-
- Slow Progressive (b)	20%	-	-
- Non-Progressive (c)	10%	≥ 1%	[1 - 1]
- Immotile (d)	50%	≤ 20%	[19 - 20]
Morphology			
Normal Forms	5%	≥ 4%	[3.9 - 4.0]
Other	Round Cell	30.0 M/mL	-

LensHooke® DNA Fragmentation Analysis Report

Sample ID: 12345678901234567890

Analysis Info: Patient ID: TEST, Sample Type: Freezing, Collection Date: 11/25/2020 18:15 AM, Received: 11/25/2020 10:30 AM, Complete Sample: Complete, Collection Method: Methurition

Well	Count	%
Well 1	3146	78.47
- Normal	863	21.53
- Fragmented	2283	56.94
Detail Classification		
- Big halo	799	19.68
- Medium halo	358	8.93
- Small halo	289	7.20
- No halo	216	5.43
- Degraded	206	5.16
Total	6029	100.00

AI Professional Report

LensHooke® X12 PRO provides you with a professional PDF report. Besides, it could allow you to insert your preferred logo on top of the PDF report.