

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, 800 mA max, 50/60 Hz
Measurement Parameter	Sperm DNA Fragmentation
Measurements Range	Semen Analysis: • Concentration 0~300 (M/mL) • Total Motility 0~100% • Morphology (Normal forms) 0~100% • Round Cell 0~10 (M/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	5,000 records including data and image
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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ver.2525



Sperm Double Strand DNA Break



Sperm Total DNA Fragment.



Round cell



Concentration



Morphology



Motility

X12 PRO

Semen Analysis System

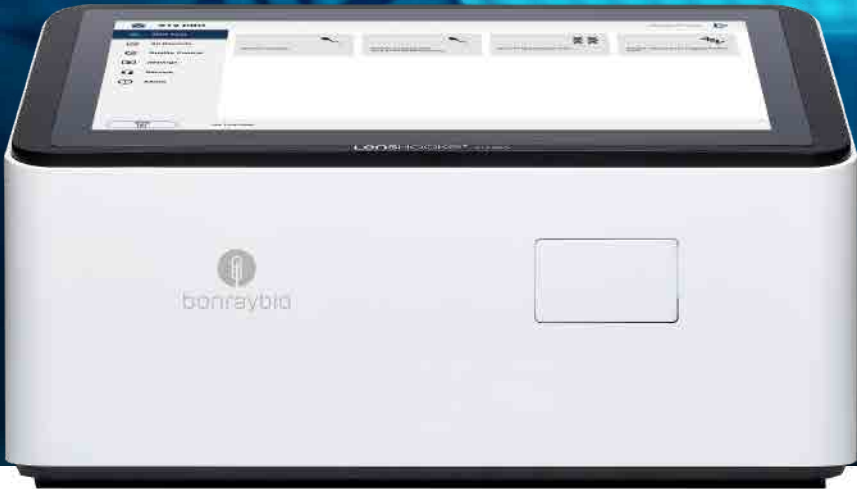
 **Basic Exam**
3 Steps, 3~6 minutes

 **Advanced Exam**
More Parameters Assessment

Pending
PCT/US2024/034356

Minimize staining time and enhance image
Solid Staining Transfer Technology

Patented
US 10,324,022 B2
AIOM Technology
AI 2.0



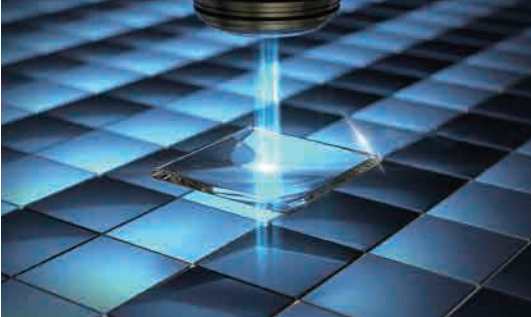
X12 PRO Consumables



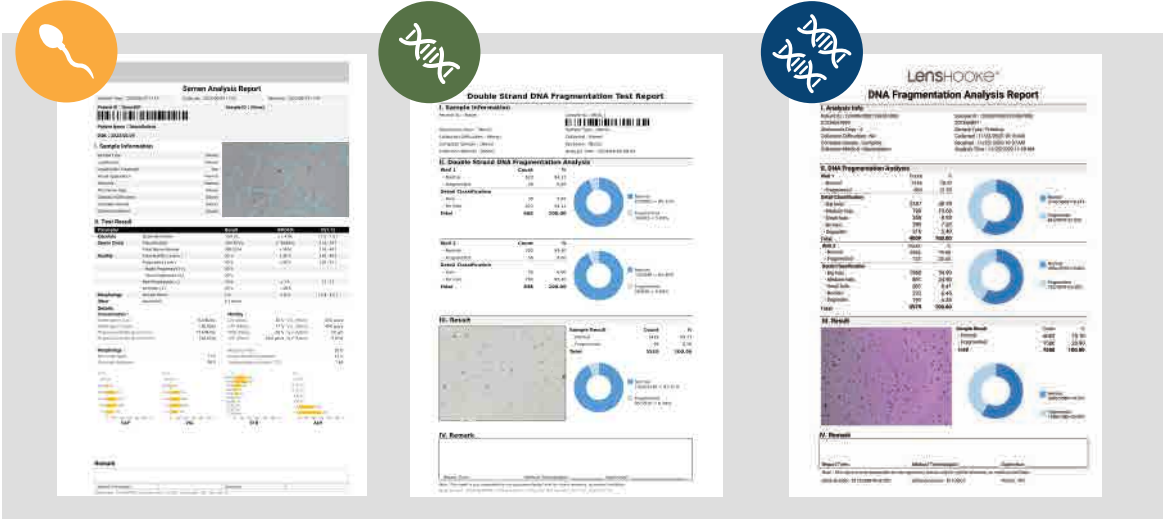
 **Auto focus & Full HD**
LensHooke® X12 PRO is capable of taking Full HD dynamic images for the test.



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



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



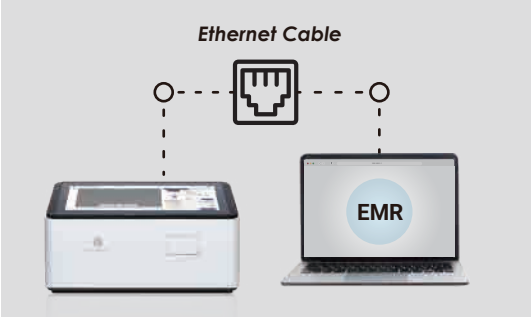
 **Professional Report**
LensHooke® X12 PRO provides you with a professional PDF report. Besides, it could allow you to insert your preferred logo on top of the PDF report.



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



 **Barcode Scanning**
LensHooke® X12 PRO is able to connect with the barcode scanner by USB port to scan the patient's



 **Local Network Connection**
LensHooke® X12 PRO LAN solution can allow other computers to connect with it.



 **Quality Control**
Comprehensive Quality Control tools for internal and external testing