

# H3 PRO

3 Part fully automated hematology analyzer



- Throughput of 70 T/hr
- High precision and CV
- Detailed flag information
- Ideal also for pediatric use

# LifeDx H3Pro

Automated hematology analyzer

Small footprint with unmatched efficiency

## 3 part Hematology Analyzer

1. CBC + 3 Differential, 21 parameters + 3 histograms
2. Throughput upto 70 samples/hour
3. Large 10.4 inch TFT touch screen
4. Works only with two reagents
5. Large storage capacity of 5,00,000 sample
6. Ideal also for paediatrics with small sample requirement of 9 µl.



## Features

21 parameters with 3 Histograms

Works with minimum reagents

Small footprint

User friendly automation

Detailed flag information

Works in 3 modes

Excellent Performance

Low Maintenance

WBC, Lymph#, Mid#, Gran#, Lymph%, Mid%, Gran%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR, P-LCC  
3 histograms for WBC, RBC and PLT

Uses improved technology which reduces the need for cleanser and rinse. The instrument works with 2 reagents only maintaining lower consumption of reagents

H3Pro is having small footprint thus offering space saving and thus can be setup in any lab

The 10.4 inch TFT touch screen offers large screen for easy operation & all results on single screen. Built in thermal printer for result print outs.

for warning in case of abnormal cell results

Whole blood mode, Prediluted mode or capillary mode

High precision with CV

The aperture is made up of ruby thus no need of frequent replacement. The new internal structural design separates electronic components from the fluidic system, thus easy maintenance. Reagent sensor offered. Flags for any clog happening.





## Auto Hematology Analyzer

### Technical Specifications

Principles	Impedance method for WBC, RBC and PLT counting Cyanide free reagent for hemoglobin test				
Parameters	21 parameters: WBC, Lymph#, Mid#, Gran#, Lymph%, Mid%, Gran%, RBC, HGB, HCT, MCV, MCH, MCHC, RDW-CV, RDW-SD, PLT, MPV, PDW, PCT, P-LCR, P-LCC 3 histograms for WBC, RBC and PLT				
Sample type	Prediluted mode 20 $\mu$ L		Whole blood mode 9 $\mu$ L		
Performance	Parameter	Linearity Range	Linearity Range	Precision (CV%)	Carryover
	WBC(10 <sup>9</sup> /L)	0-200	0-300	<3.5%(4.6-6.9) <2.0%(7.0-15.0)	<0.5%
	RBC(10 <sup>12</sup> /L)	0-8.00	0-8.00	<1.5%(3.5-6.5)	<0.5%
	HGB(g/L)	0-280	0-280	<1.5%(100-180)	<0.5%
	MCV(fL)			<1.0%(70.0-110)	<0.5%
	PLT(10 <sup>9</sup> /L)	0-4000	0-4000	<5.0%(100-149) <4.0%(150-500)	<1.0%
Reagent	DILUENT, LYSE, PROBE CLEANSER				
Throughput	70 samples per hour				
Display	10.4 inch TFT Touch Screen				
Data Storage Capacity	Up to 500,000 results including numeric and graphical information				
Communication	LAN Port supports HL7 protocol Support bi-directional LIS				
Interface	4 USB ports (for external printer, software upgrade, barcode reader, external WIFI adapter, keyboard and mouse), LAN port (1)				
Printout	Thermal recorder, 50 mm wide paper, various printouts formats External printer optional				
Power Requirement	Temperature: 10°C~40°C, Humidity: 10%~90%, Air pressure: 70kPa~106kPa				
Power Requirement	(100V-240V) <300VA, 50Hz/60Hz				
Dimension and Weight	Dimension: Depth (410 mm) x width (300 mm) x height (400 mm) Weight: 20Kg				