Convergys® X5 Neo

5-Part WBC Differential Hematology Analyzer

Convergys® X5 Neo is a compact, accurate and reliable 5-part differential WBC hematology analyzer. The system uses triangle laser light scattering technology for precise 5 part WBC differentiation. Its 10.4” touchscreen allows easy operation of the analyser and management of up to 60,000 results. The internal barcode reader and optional connectivity of external keyboard and mouse enhance the ease of use. LIS connectivity, data export functions and a built-in thermal printer allow comprehensive access to your results.

- **29 Parameters including 5-part WBC differential**
- **60 tests per hour throughput**
- **20 µl whole blood sample volume**
- **Built-in thermal printer**
- **10.4 “ color touch screen**
- **Intuitive user interface**
- **Data storage for 60,000 results**
- **Multi user mode available**
- **LIS Connectivity**

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Specifications of Convergys® X5 Neo

Measured and Calculated Parameters:	29 Parameters (including 5-part WBC differential), WBC, Bas#, Bas%, Neu#, Neu%, Eos#, Eos%, Lym#, Lym%, Mon#, Mon%, ALY#*, ALY%*, LIC#*, LIC%*, RBC, HGB, MCV, MCH, MCHC, RDW-VC, RDW-SD, HCT, PLT, MPV, PDW, PCT, P-LCC, P-LCR
Measuring principles:	Laser Flow Cytometry method for WBC, Electric impedance method for RBC and PLT; Colorimetric method for HGB
Throughput:	60 tests/hour
Chambers:	2 counting chambers for diluting whole blood and counting
Aperture diameter:	70 µm (RBC/PLT), 100 µm (WBC/MIX)
Reagent system:	Diluent, LH Lyse, Diff Lyse, Probe Cleanser All reagents are environment friendly and cyanide free Shelf life up to 24 months, on board stability 60 days
Sampling method:	Manual Aspiration
Sample volume:	20 µl of whole blood or capillary blood
Sample identification method:	Individual sample ID entered by user. Barcode with external manual barcode reader (optional accessory)
Clog prevention & cleaning procedures:	High-voltage pulse on aperture in each analysis cycle, chemical cleaning and high pressure back-flush of the aperture using Cleaner reagent
Quality control:	Levey-Jennings graphs, Bull's algorythm
Calibration:	Manual or automatic calibration with calibrators or fresh blood samples
User interface:	10.4" Color touch screen control with intuitive user interface
Multi-user feature:	Password protected logins for administrators and normal users
Languages available:	English
Data capacity:	Data Storage for 60,000 results, including 5-part scattergrams, WBC, RBC and PLT histograms, including QC database (shared storage)
Data back-up method:	USB mass storage device
Computer interface:	USB B port, Ethernet
Software upgrade method:	via USB A port using USB mass storage device (flash drive)
Interfacing options:	USB, LAN (HL7), LIS, USB mass storage device Data back-up
Built-in printer:	Thermal printer module, 58 mm wide roll paper, full report with histograms
Printer interface:	USB with support for most HP printers (PCL6 Protocol based)
External barcode reader:	Optional manual barcode reader (USB)
Power requirement:	100-240 VAC, 50 - 60Hz
Temperature conditions:	Operation: 10-30°C (50-89°F), 25°C (77°F) optimum Storage: 5-35°C (41-90°F) Transport: 5-40°C (41-104°F)
Dimensions and weight:	(W x D x H) 350 mm x 430 mm x 450 mm; 30 kg

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CE IVD

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