

Convergys® X3 NG

3-Part WBC Differential Hematology Analyzer

Convergys® X3 NG is a compact, accurate and reliable 3-part differential WBC hematology analyzer. The touch screen operated user interface relies on intuitive icons and symbols. The system uses easy to understand warning messages and sample flags, and offers an advanced software statistics package for comprehensive graphical QC analysis. The intelligent software runs automatic clog detection and prevention routines and monitors the reagent's levels and expiry dates.



- **22 Parameters including 3-part WBC differential**
- **80 tests per hour throughput**
- **25 μL whole blood sample volume**
- **Built-in thermal printer**
- **Touch screen color LCD**
- **Intuitive user interface**
- **Data storage for 10,000 results**
- **Multi-user mode available**
- **Wide range of supported languages**

Specifications of *Convergys® X3 NG*

Measured and Calculated Parameters:	22 Parameters (including 3-part WBC differential): WBC, LYM, MID, GRA, LYM%, MID%, GRA%, RBC, MCV, HCT, HGB, MCH, MCHC, PLT, MPV, RDW-SD, RDW-CV, PCT, PDW-SD, PDW-CV, P-LCR, P-LCC
Measuring principles:	Volumetric impedance method for WBC, RBC and PLT; Spectrophotometry for HGB
Throughput:	80 tests/hour
Chambers:	2 counting chambers for diluting whole blood and counting
Aperture diameter:	70 µm (RBC/PLT), 100 µm (WBC/MIX)
Reagent system:	Isotonic Diluent, Hemolysing Agent (with hardware Key), Cleaner; All reagents are environment friendly and cyanide free; Shelf life up to 36 months, on board stability 120 days
Sampling method:	Open tube system with automatic sample rotor
Sample volume:	25 µl of whole blood, 50 µl of pre-diluted 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:	6 QC levels; Levey-Jennings graphs; input of QC target values manually, via USB or via data matrix barcode
Calibration:	Automatic and manual (factors) calibration of WBC, HGB, RBC, PLT, MCV (or HCT), RDW and MPV
User interface:	Full-LCD Touch-screen + separate START button, red/green state bar
Multi-user feature:	4-level multi-user operation with selective privilege levels
Languages available:	12 languages: English, German, French, Greek, Indonesian, Italian, Polish, Portuguese, Russian, Czech, Spanish, Vietnamese
Data capacity:	Data Storage for 10,000 results, including 3-part WBC, RBC and PLT histograms, including QC database (shared storage)
Data back-up method:	USB mass storage device
Computer interface:	USB B port
Software upgrade method:	via USB A port using USB mass storage device (flash drive)
Interfacing options:	USB, 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 various HP printers, EPSON Dot-matrix printers
External barcode reader:	Optional manual barcode reader (USB)
Power requirement:	100-120 or 200-240 VAC, 50-60Hz
Temperature conditions:	Operation: 15-30°C (59-86°F), optimum: 25°C (77°F) Storage: 5-35°C (41-90°F) Transport: 5-40°C (41-104°F)
Dimensions and weight:	(W x D x H) 33 cm x 31 cm x 38 cm; 12 kg

Ordering Information

REF	Article Name	Description
1100-2600	<i>Convergys® X3 NG</i> Analyzer	3-part WBC differential Hematology Analyzer
1100-1601	<i>Convergys®</i> Dil Diff (20 l)	Isotonic Diluent
1100-1602	<i>Convergys®</i> Lyse Diff (1 l)	Hemolysing Agent
1100-1603	<i>Convergys®</i> Cleaner (1 l)	Cleaning Agent
1100-1704	<i>Convergys®</i> Hypoclean CC (100 ml)	Hypochloride Cleaner

Convergent Technologies reserves the right to change any of the specifications without prior notice.
Usage of original Convergent Technologies reagents is MANDATORY.
Full specifications are available on request.