

Convergys[®] X3

3-part WBC differential Hematology Analyzer



- 20 parameter including 3-part WBC differential
- 25 µl sample volume of whole Blood
- 60 tests per hour throughput
- Integrated clog prevention system
- 320x240 dots high contrast color graphic LCD
- Wide range of supported languages
- Built-in thermal printer
- Easy-to-use menu with soft key interface
- Large data storage for 5000 results

Specifications of *Convergys*[®] X3

Measured Parameters:	20 Parameters, including 3-part WBC differential: WBC, LYM, MON, NEU, LYM%, MON%, NEU%, RBC, HGB, HCT, MCV, MCH, MCHC, RDWcv, RDWsd, PLT, PCT, MPV, PDWcv, PDWsd
Measuring principles:	Volumetric impedance method for WBC, RBC and PLT. Spectrophotometry for HGB
Throughput:	60 tests/hour
Reagent system:	Isotonic Diluent, Hemolysing Agent, Cleaner
Sampling method:	Open tube system with automatic sample rotor
Sample volume:	25 µl of whole blood, 50 µl of diluted blood in pre-diluted mode
Sample types:	Human(general): male, female, baby, toddler and child (built-in reference ranges)
Chambers:	3 chambers for diluting whole blood and counting: 1:MIX, 1:RBC/PLT, 1:WBC/HGB
Aperture diameter:	80 µm (RBC/PLT), 100 µm (WBC/HGB)
HGB measurement:	In WBC chamber integrated. Light source: green LED with 540 nm wavelength. Detector: light to frequency converter
Clog prevention:	High voltage pulse on aperture in each analysis cycle, chemical cleaning, high pressure backflush of aperture with Cleaner reagent
Cleaning procedure:	High voltage burst of the aperture, high pressure backflush, chemical cleaning of the aperture with Cleaner reagent
Quality control:	6 QC levels, QC parameters include mean, ± range, SD and CV for all measured and calculated parameters, 16- and 64-day Levey-Jennings charts, separate QC database
Calibration:	1 or 3-measurement automatic calibration or manual (factors) calibration of WBC, HGB, RBC, PLT, MCV, RDW and MPV absolute. Independent calibration of pre-diluted mode
User interface:	Easy-to-use, menu driven user interface with 6 software buttons (with graphic icons), 6 hardware function buttons, cursor and numeric keys
Multi-user feature (advanced feature):	3-level multi user operation with selective privilege levels. User identification with ID and password
Languages available:	English menu and support for other languages*
Data capacity:	5000 results, with RBC, PLT and WBC 3-part histograms
Host computer interface:	USB B port or RS-232 serial link.
Data back-up method:	USB mass storage device; external Lab management system
Software upgrade method:	USB A port using USB mass storage device
Printer interface:	USB with support for HP printers, color and monochrome printout.
Built-in printer:	Seiko LPTH-245 „Easy Paper Operation“ Stationary Head Graphical Thermal Printer, 58 mm wide paper roll. Prints full report with histograms
Display:	320x240 dots, high-contrast, backlit and color graphics LCD
Keypad:	29 foil keys + separate START button with red/green/orange instruments state light
External keyboard:	Standard PS/2 compatible or USB
Power requirement:	12VDC, 6A, 72W max. operating power
Power supply unit:	External auto-ranging power unit for 100-120 or 200-240 VAC, 50-60Hz
Operating conditions:	15°-30° C, 59°-86° F (Optimal temperature is 25 °C, 77 °F), 20%~ 80% RH,
Dimensions and weight:	(W x D x H) ca. 340 x 414 x 380 mm, ca. 15 kg
*Supported Languages:	german, arabic, russian, french, greek, hungarian, indonesian, italian, polish, portugese, romanian, slovensky, spanish, turkish, vietnamese

Ordering Information

REF	Article Name	Description
1100-1600	<i>Convergys</i> [®] X3 Main Unit	Fully automatic 3-part WBC differential Hematology Analyzer
1100-1601	<i>Convergys</i> [®] Dil Diff (20L)	Isotonic diluent
1100-1602	<i>Convergys</i> [®] Lyse Diff (1L)	Hemolysing Agent
1100-1603	<i>Convergys</i> [®] Cleaner (1L)	Cleaner
1100-1604	<i>Convergys</i> [®] Cleaner (5L)	Cleaner
1100-1605	<i>Convergys</i> [®] Check 3P Normal (4,5ml)	Blood control material, normal level
1100-1606	<i>Convergys</i> [®] Check 3P High (4,5ml)	Blood control material, high level
1100-1607	<i>Convergys</i> [®] Check 3P Low (4,5ml)	Blood control material, low level

* Convergent Technologies reserves the right to change any of the specifications without prior notice.

** Usage of original Convergent Technologies reagents is recommended

*** Full specifications are available on request