



ABXPENTRA120RETIC

The most compact revolutionary
innovation in hematology

DIFF + reticulocyte analysis

Innovative features

- Fluoro-flow cytometry and Argon-ion laser technology.
- Fully automated reticulocyte analysis.
- Thiazole orange staining.
- Throughput of 120 samples/hour (DIFF or Retics).

Technical :

- **Weight** : 110 kg
- **Power supply** : 110/220 V - 50/60 Hz - 1450 VA.
- **Dimensions** : 74 x 117 x 55 (H x W x D) cm.
- **Printer** : Laser printer.
- **Throughput** : 120 tests/hour.
- **Data processing** : Multi-tasking software, Floppy disk. RS232C. Mono or bidirectional interfacing. Floppy disc, RS 232C, Mono and bi-directional connection.
- **Memory capacity** :> 90 000 results.

Samples :

120 tests/hour (*closed tube*)

- **Parameters (36)** : WBC, RBC, HGB, HCT, MCV, RDW, MCH, MCHC, PLT, MPV, PCT, PDW % and #. LYM, MON, NEU, EOS, BAS0. RET %, RET #, RETH %, RETM %, RETL %, IMM %, CRC%, IRF %, MRV, MFI%
- **Plus:**
 - ALY = Atypical Lymphocytes (% and #)
 - LIC= Large Immature Cells (% and #)
- **Graphics** :
 - High resolution leucocyte differential matrix
 - RBC, PLT, and BAS histograms.

- RES and FLUO histograms.
- Retic matrix.
- **Volume :**
 - Closed tube mode : 200 µl
 - Open tube mode : 130 µl
- **Stability :** 48 hours
- **Operating sample mode :**
 - Vertical rack loader.
 - End-over-end rotation for smooth sample mixing.
 - Maximum load: 15 racks (150 tubes).
 - Rack select CBC or DIFF.
- **Identification :** Alphanumeric. Bar-code reader.

Results :

Parameters	Precision (cv %)	Range
WBC	< 2% (at 10.10 ³ /mm ³)	0-150.10 ³ /mm ³ -
RBC	< 2% (at 5.0.10 ⁶ /mm ³)	0-8,1.10 ⁶ /mm ³ -
HGB	< 1% (at 15 g/dl)	0-25 g/dl -
HCT	< 2% (at 45%)	0-80%
PLT (whole blood)	< 5% (at 300.10 ³ /mm ³)	0-2000.10 ³ /mm ³ -
PLT (PLT concentrate)		0-4500.10 ³ /mm ³ -
LYM	3,58% (at 23,3%)	0-100%
MON	8,11% (at 8,2%)	0-100%
NEU	2% (at 65,4%)	0-100%
EOS	11,45% (at 2,4%)	0-100%
BAS	30%	0-100%

Parameters	Accuracy	Linearity
WBC	> 95%	0-150.10 ³ /mm ³ -
RBC	> 95%	0-8,1.10 ⁶ /mm ³ -
HGB	> 95%	0-25 g/dl -
HCT	> 95%	0-80%
PLT (whole blood)	> 95%	0-2000.10 ³ /mm ³ -
PLT (PLT concentrate)	> 95%	0-4500.10 ³ /mm ³ -
LYM	> 95%	
MON	> 95%	
NEU	> 95%	
EOS	> 95%	
BAS	> 95%	

Concept And Technology

- **Methods of measurement:** Cytochemistry, impedance, absorbance and flow cytometry (*Eosinofix* and LMNE matrix*).

- **Reticulocyte profile:**Thiazole orange, fluorescence, impedance, Argon-ion laser (Retix* and retic matrix).
- **Balance Concept:** Automatic control of the leukocyte count based on 3 independent channels.
- **DHSS*:** Focused flow cytometry and sequential measurement (impedance and absorbance).
- **Automatic re-run of samples :** Selective and programmable (hematology parameters and smears).
- **Rotative mixing of samples :** Smooth and efficient
- **Liquid valves* ABX (no pinch valves):** Reliability and volume accuracy

*ABX patents

Reagents Pentra 120 Retic :

Ref.	Designation	Packaging
0204050	ABX BASOLYSE 5L	1 x cubitainer (5 liters)
0206010	ABX EOSINOFIX 1L	1 x bottle (1 liter)
0901020	ABX DILUENT 20L	1 x cubitainer (20 liters)
0901100	ABX DILUENT 10 L	1 x cubitainer (10 liters)
0902010	ABX ALPHALYSE 1L	1 x bottle (1 liter)
0903010	ABX CLEANER 1L	1 x bottle (1 liter)
0906013	ABX LYSEBIO 1L	1 x bottle (1 liter)
0904010	ABX RETIX 1L	1 x bottle (1 liter)
0904005	ABX RETIX 0,5L	1 x bottle (0,5 liter)

Controls and calibrators :

Ref.	Designation	Packaging
2012202	MINOTROL 8 TWIN-PACK (2N)	2 x 2 ml
2012204	MINOTROL 8 TWIN-PACK 1L1H	2 x 2 ml
2205002	MINOTROL 8 PACK G (5N)	5 x 2 ml
2207123	MINOTROL 8 PACK H(5N1H1L)	7 x 2 ml
2211123	MINOTROL 8 PACK I(5N3H3L)	11 x 2 ml
2062203	DIFFTROL TWIN-PACK 2N + F	2 x 3 ml + floppy
2062204	DIFFTROL TWIN-PACK 1L + 1H + F	2 x 3 ml + floppy
2062011	DIFFTROL 1L	1 x 3 ml
2062012	DIFFTROL 1N	1 x 3 ml
2062013	DIFFTROL 1H	1 x 2 ml
2062015	FLOPPY DIFFTROL	x 1
2072201	MINOTROL Retic Twin pack (2N)	2 x 2 ml + 1 floppy
2072202	MINOTROL Retic Twin pack (1L1H)	2 x 2 ml + 1floppy
2032002	MINOCAL	1 x 2 ml



For More Information Contact:

The Infolab Distribution Center Nearest You

Clarksdale, MS**Toll Free: 1-800-647-8222****Phone: (662) 627-2283****Fax: (662) 627-1913****Email:****infolabms@infolabinc.com****Fort Oglethorpe, GA****Toll Free: 1-800-241-8953****Phone: (706) 861-5046****Fax: (706) 866-5234****Email:****infolabga@infolabinc.com****Greensboro, NC****Toll Free: 1-800-782-9700****Phone: (336) 272-2874****Fax: (336) 274-9473****Email:****infolabnc@infolabinc.com****Round Rock, TX****Toll Free: 1-800- 322-3882****Phone: (512) 255-7994****Fax: (512) 244-9659****Email:****infolabtx@infolabinc.com****Ocala, FL****Toll Free: 1-800- 734-7584****Phone: (352) 237-9654****Fax: (352) 237-9733****Email:****infolabfl@infolabinc.com****Zionsville, IN****Toll Free: (866) 232-7096****Phone: (317) 873-4400****Fax: (317) 873-4443****Email:****infolabnc@infolabinc.com**