



pentra DX 120

Hematology Analyser

In the heart of hematopoiesis:

ABX Diagnostics presents the PENTRA DX 120, the first hematology analyser specially adapted for preventive diagnostic and hemopathy screening.

With the Pentra DX 120, all hematopoiesis stages are qualified and quantified. It monitors the erythropoiesis with 3 different channels: the reticulocyte channel, the RBC channel and the erythroblast channel. A specific channel differentiates the leukopoiesis: "the Double Diff Matrix".

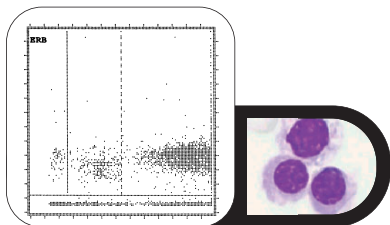
No hematology analyzer has ever gone as far in the qualification of the different stages of blood cell maturation.

Complete hematology platform

PENTRA DX 120 proposes a complete solution to laboratory requirements, with a throughput of 120 samples per hour and 45 parameters per analysis. The PENTRA DX 120 treats hematology workflow with intelligence*, thanks to an integrated slide maker stainer (SPS Evolution) and to an expert validation station.

* "IRT" system (Intelligent Reflex Testing).

Erythroblast count by fluorescence



Automated and customized decision taking.

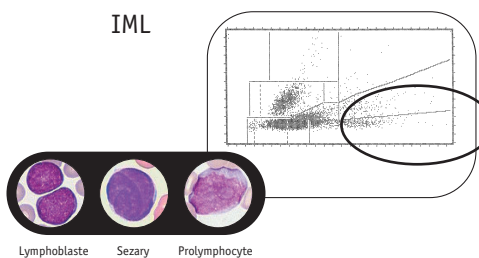
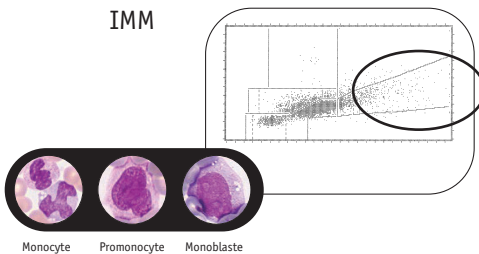
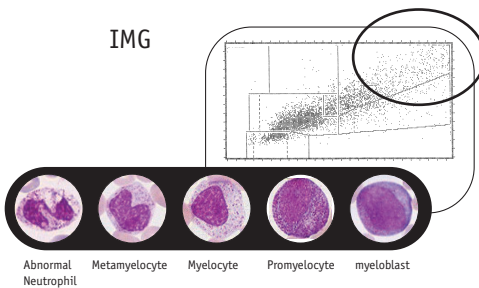
The erythroblast count is performed automatically based on the primary analysis result.

This reflex testing can be customized in accordance with the blood type.

The erythroblast count is followed by a WBC count, the leukocytes previously marked with the fluorochrome. The leukocyte count is automatically corrected in case of NRBC presence.



"Double Diff Matrix" diagnostic aid



Systematic differentiation of three cell lines involved in leukopoiesis:

- Granulocytic line (IMG % and #)
- Monocytic line (IMM % and #)
- Lymphocytic line (IML % and #)

The automatic identification of a cell population points immediately to a diagnostic hypothesis, quantification of myeloma.

Sensitivity of alarms detecting morphology anomalies in lymphocytes (Ln and Aly alarms) and blast cells (Blast alarm).

Accurate identification of monocytes.

A Partner to Physicians

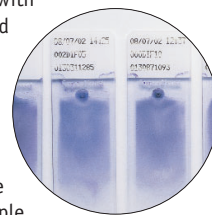
The PENTRA DX 120 uses only methods recognised by all to offer a perfect security in diagnostic elaboration.

Reference Methods	CBC	DIFF	RET	ERB
Impedancemetry	•	•	•	•
Flow-Cytometry		•	•	•
Fluorometry			•	•
Cytochemistry		•		•

Integrated slide maker-stainer

The ABX "SPS Evolution" introduces wedge smear technology with automatic sampling combined with optimised smearing parameters (smearing speed, wedge angle, waiting time) to produce perfect blood films every time.

The smearing profile can be defined according to sample type and customised to comply with operator's needs. The system can automatically process up to 120 slides per hour.



- Improves productivity
- Enhances operator safety
- Smear standardisation

