

ProCyte Dx® Hematology Analyzer

The next level of accuracy, reliability and efficiency for laboratory animal diagnostics



Multi species

Mouse, rat, monkey, dog, cat, rabbit, gerbil, guinea pig, ferret, cow, pig, mini-pig and horse

Small sample size

Only 30 µL of anticoagulated blood required

Load-and-go operation

Running a sample is quick and easy, even maintenance is a simple push of the button.

Comprehensive User Interface

Data presented in clean, intuitive format that provides additional data screens for analyzing difficult samples

Flexibility

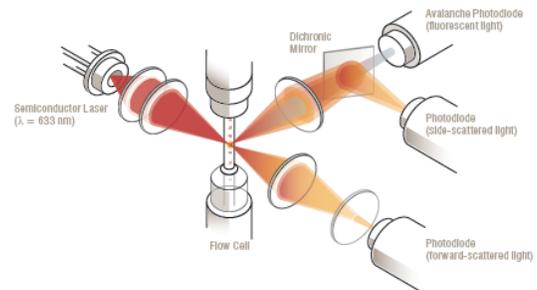
Supports most commonly available EDTA tubes

Two-minute results

Advanced five-part white blood cell differential and absolute reticulocyte count along with validated results on 31 different blood parameters*

Three cutting-edge technologies provide unprecedented accuracy, speed and precision

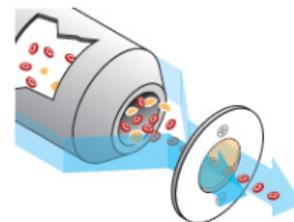
1. Laser flow cytometry delivers an advanced five-part white blood cell differential. The ProCyte Dx® Hematology Analyzer uses fluorescence to perform a full analysis of multiple characteristics on each white blood cell, for the most accurate interpretation of all five white blood cell types.



2. Optical fluorescence provides a highly sensitive and accurate reticulocyte count with the use of specific fluorescent stains. Additionally, all species platelets are redundantly analyzed with this method to ensure superior separation when delineating platelets and red blood cells of similar size. Operators can compare optical fluorescent readings with Laminar Flow Impedance readings.



3. Laminar Flow Impedance™ performs the fastest and most precise count of red blood cells for quick and accurate analysis. With advanced Laminar Flow Impedance technology, cells are lined up one by one to ensure each cell is characterized individually.

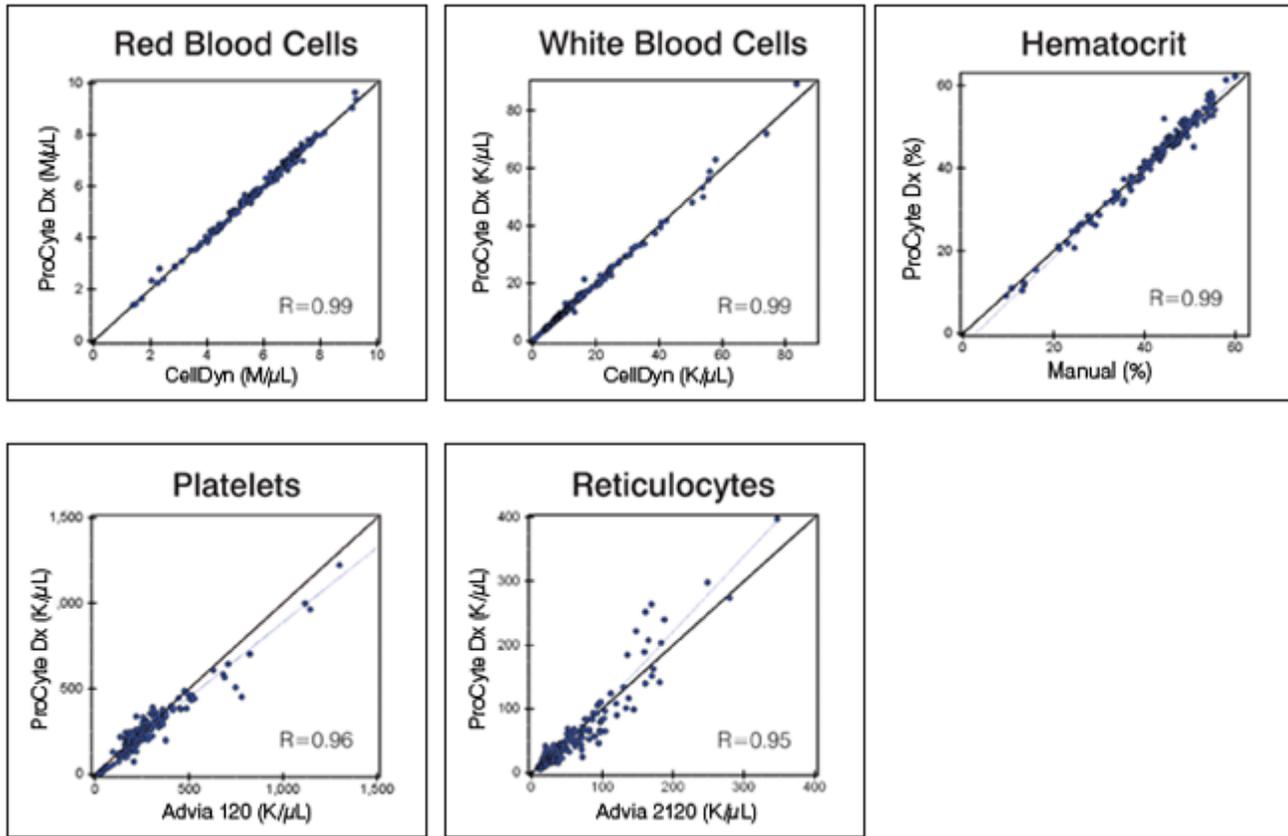


* The number of reported parameters may vary according to species. Available parameters include: WBC, RBC, HGB, HCT, MCV, MCH, MCHC, PLT (PLT-I or PLT-O), NEUT (% , #), LYMPH (% , #), MONO (% , #), EO (% , #), BASO (% , #) RDW-SD, RDW-CV, MPV, P-LCR, PDW, PCT, RET (% , #), LFR, MFR, HFR, IRF. BAND and nRBC indicate the presence of abnormal cells on certain species.

Third-party study verifies exceptional correlation¹

Studies comparing the ProCyte Dx analyzer to the Advia® 120, the Cell-Dyn® 3700 and the Sysmex® XT-2000iV showed unparalleled red blood cell count, hematocrit, reticulocyte count, platelet count and white blood cell count correlation.²

The accuracy of the ProCyte Dx analyzer is demonstrated in the correlation data found here. Additional data was shared at the American College of Veterinary Internal Medicine in 2010.



References

1. Data on file at IDEXX Laboratories, Inc. Westbrook, Maine USA.
2. The Advia 120 Hematology System, the Cell-Dyn 3700 Hematology Analyzer and the Sysmex XT-2000iV Automated Hematology Analyzer are reference laboratory diagnostic instruments that analyze whole blood to provide complete blood count (CBC) results, including white blood cell differential and reticulocytes. A paper with an independent comprehensive review of all parameters can be obtained from your IDEXX RADIL™ sales representative.

Contact us today!

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