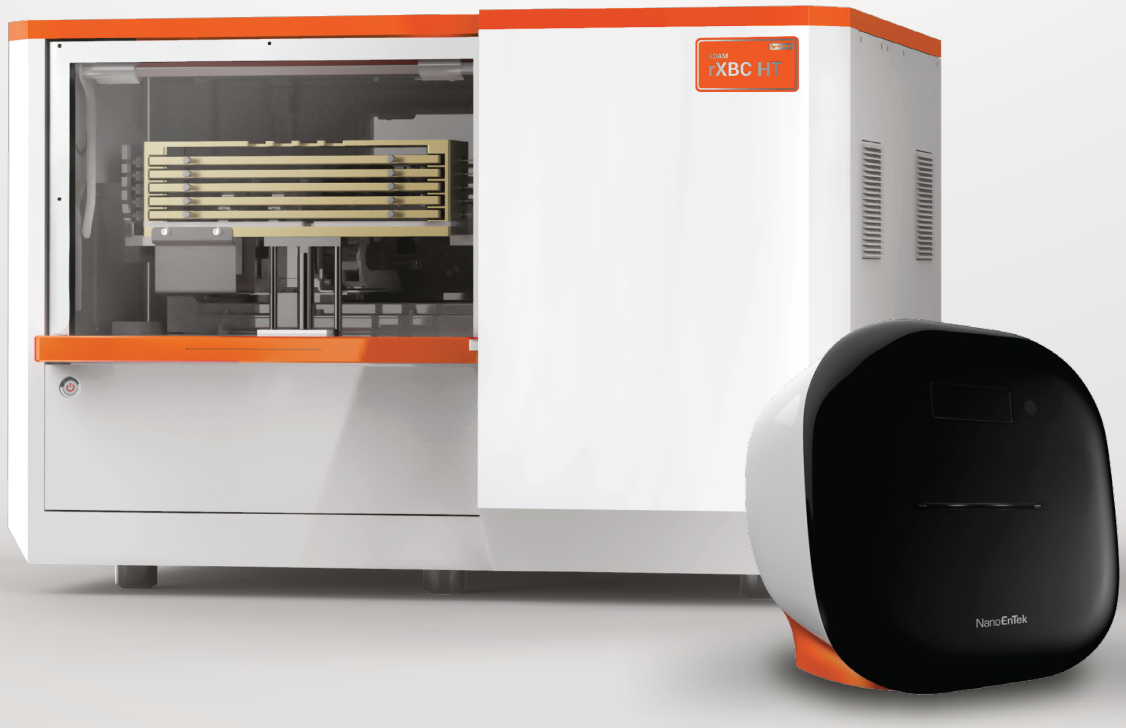
All-in-One

residual WBC & RBC counter



ADAM rXBC Series

Blood Cell Counter

NanoEntek

ADAM rXBC Series, all-in-one solution for counting residual WBC and RBC!

ADAM™ rXBC Series automatically counts the number of residual leukocytes (rWBCs) and erythrocytes (rRBCs) in blood products using just one device.

ADAM™ rXBC is a stand-alone device that allows single-sample counting. Once the slide with the loaded sample is inserted, all procedures are automated. The device takes 50 seconds to count one sample.

ADAM™ rXBC HT gives you walkaway convenience and handles high throughput requirements to improve further productivity. It takes 50 minutes to count 50 samples.

Automated cell counting eliminates user bias or subjective interpretation that can be found when counting residual leukocytes or erythrocytes using other methods.

ADAM™ rXBC Series can count

Blood Components Analysis

ADAM™ rXBC Series provides analysis of rWBC and rRBC in blood samples, offering higher accuracy for samples with low WBC and RBC counts.

- **rWBC**
  residual
  White Blood Cells

- **rWBC**
  residual White Blood Cells
- **rRBC**
  residual Red Blood Cells

- **rWBC**
  residual White Blood Cells
- **rRBC**
  residual Red Blood Cells

Features

Fast
measurement

< 1 min/test

Easy
to use

Simple and
easy procedure

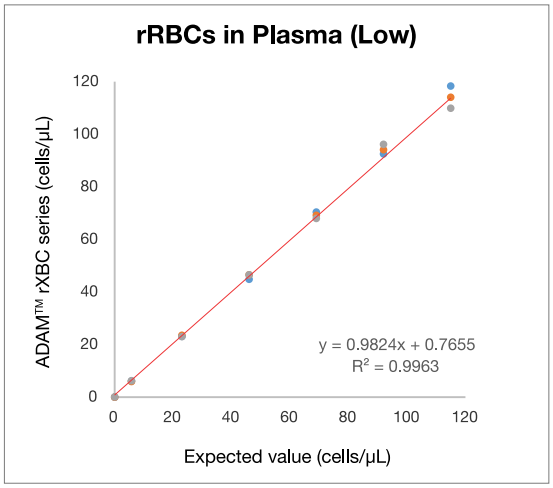
Accurate
and reliable results

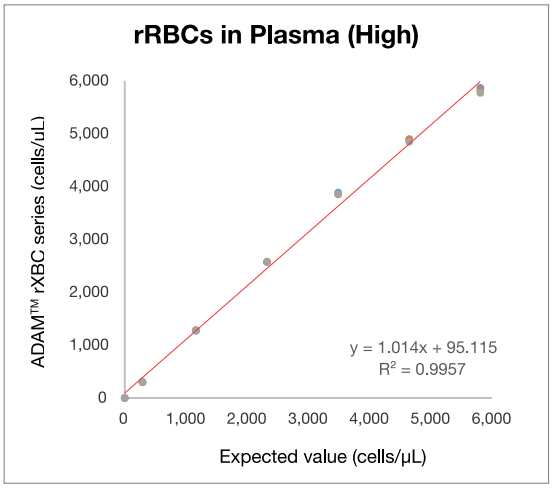
Outstanding linearity
& repeatability.

Performance Test - Linearity

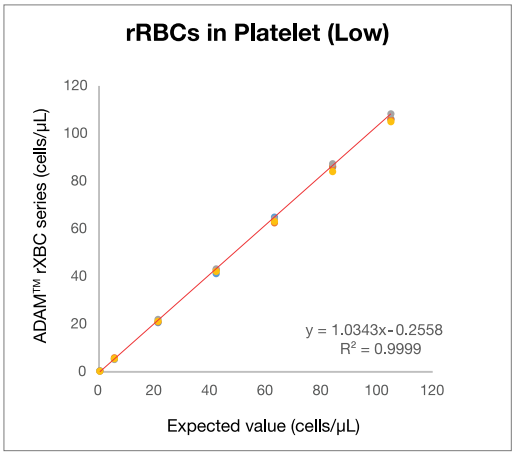
Low and high rRBC concentrations in plasma and platelet samples were subsequently counted by ADAM™ rXBC series, which showed outstanding linearity results.

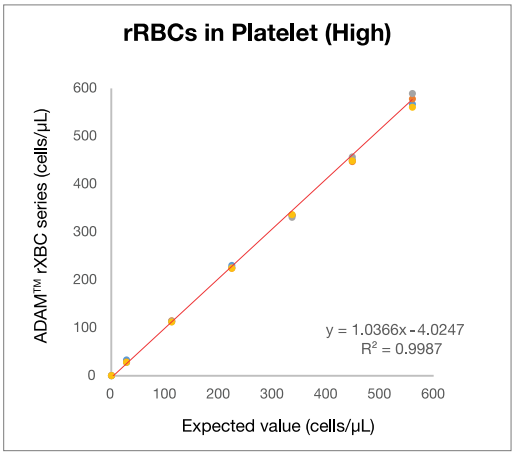
• Plasma Products





• Platelet Products





Precision Test

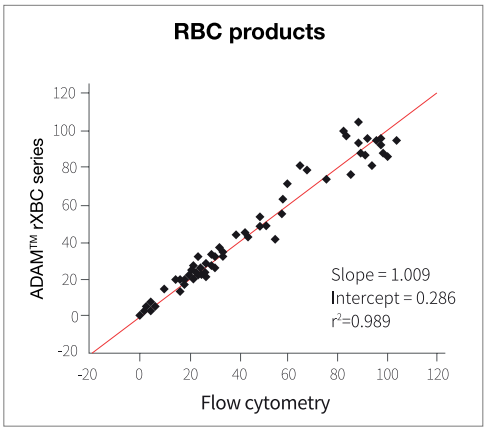
Plasma samples were prepared at eight different targeted concentrations and platelet samples at five different targeted concentrations.For each concentration, rRBCs were counted 20 times to assess the repeatability of the ADAM™ rXBC series.

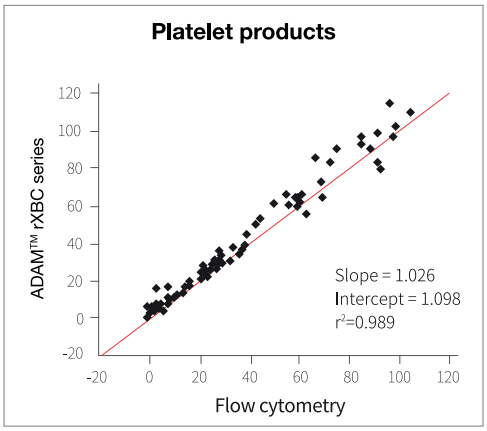
rRBCs in Plasma (n=20)			
Target value (cells/μL)	Mean (cells/μL)	STDEV	CV (%)
0 - 1	0.74	-	-
1 - 10	2.51	0.28	11.06
10 - 30	24.63	1.49	6.04
40 - 60	55.18	1.77	3.21
90 - 200	112.08	2.08	1.86
300 - 600	596.34	6.51	1.09
700 - 1000	1192.62	16.49	1.38
4000 - 6000	4147.49	163.96	3.95

rRBCs in Platelet (n=20)			
Target value (cells/μL)	Mean (cells/μL)	STDEV	CV (%)
0 - 1	0.76	-	-
1 - 10	2.60	0.23	8.70
10 - 30	21.37	0.71	3.31
40 - 60	55.27	1.35	2.44
90 - 200	109.52	2.09	1.91

Performance - Comparison to flow cytometry

Refer to the following comparison of residual white blood cell enumeration methods between flow cytometry (Leucocount) and ADAM™ rXBC series in using different amounts of white blood cells aliquots. This comparison was performed using both RBC and platelet samples.





Specifications

Item	ADAM™ rXBC	ADAM™ rXBC HT
Specimen	rWBC: RBC, Platelet concentrates, Plasma rRBC: Platelet concentrates, Plasma	
Measuring range	1 - 100 WBC cells/μL 1 - 6,000 RBC cells/μL	
Sample volume	100 μL	
Analysis time	< 1 min/test	
Power	DC 12V, 5A	AC 100-230VAC, 50/60 Hz
Weight	7 kg	120 kg
Dimension	277(W) × 276(D) × 270(H) mm	1020(W) x 730(D) x 670(H) mm

Ordering information

Cat. No.	Product	Contents
ADAM-rXBC	ADAM™ rXBC, Blood cell counter	Main instrument; Desktop mini PC set
ADAM-rXBC HT	ADAM™ rXBC HT, High-throughput blood cell counter	Main instrument; Desktop PC set
ADWK-050	ADAM rWBC Kit residual WBC counting kit (for ADAM™ rXBC & HT, 50 tests)	r-Slide, 50 slides; r-Solution 25 mL; Standard bead solution, 7 ml
ADRK-050	ADAM rRBC kit residual RBC counting kit (for ADAM™ rXBC & HT, 50 tests)	rRBC Slide, 50 slides; Standard bead solution, 7 ml

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FOR RESEARCH USE ONLY.
This product is not approved for diagnostic or therapeutic use.

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