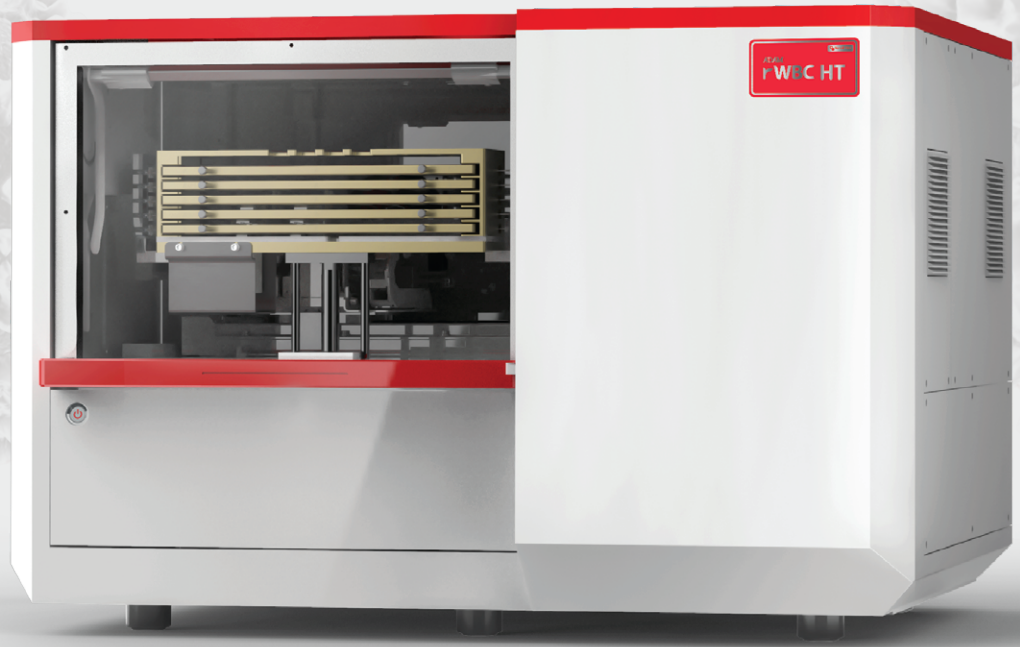
CE FDA 510(k) Cleared

NEW STANDARD OF RESIDUAL WHITE BLOOD CELL COUNTER

Walk-away!

ADAM rWBC HT

50 min / 50 tests



High Throughput
residual White Blood Cell Counter

NanoEntek

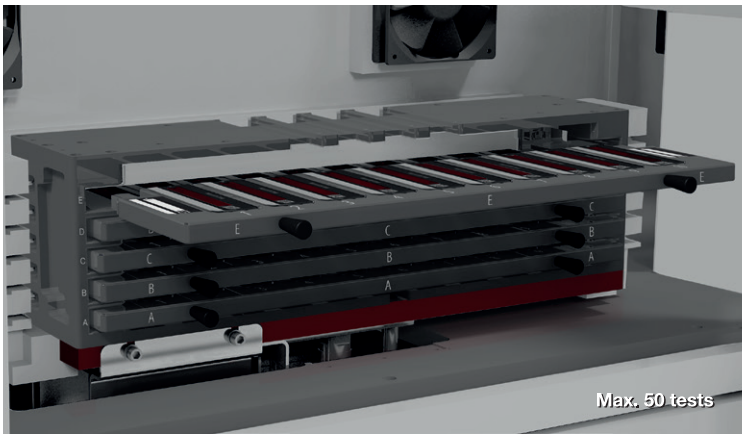
ADAM

rWBC HT

Walk-away residual White Blood Cell Counter

ADAM-rWBC HT gives you walkaway convenience and significantly improves blood bank's productivity. It takes 50 minutes to count 50 samples.

ADAM-rWBC HT counts residual white blood cells (rWBCs) with an unparalleled ease and speed.



Not required

ADAM-rWBC HT, eliminates the need for:

- Warm-up
- Daily maintenance
- Professional operator
- Vortex
- Dark room incubation
- Gating adjustment

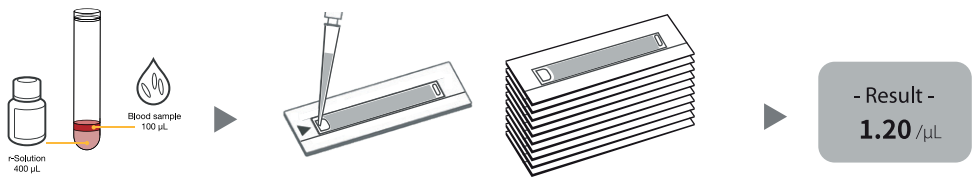
Features

FAST measurement

ADAM-rWBC HT counts up to 50 samples at a time, taking only **45 seconds** per sample.

EASY to use

ADAM-rWBC HT process is simple and easy for multi counting.



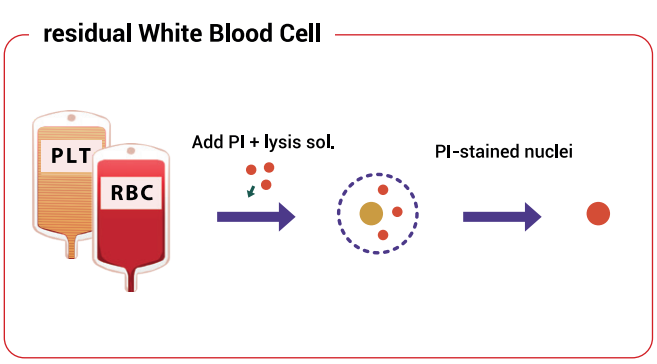
1. Sample preparation
2. Sample loading
3. Get the result

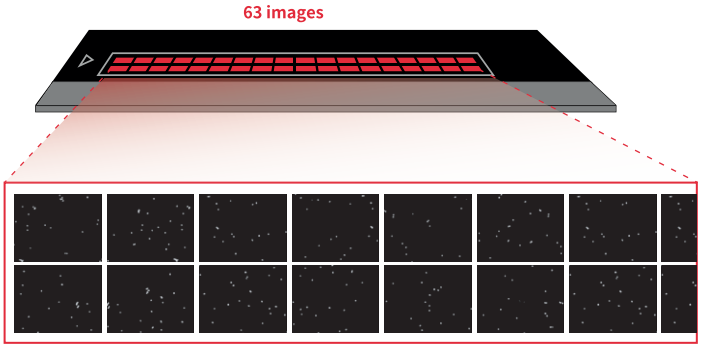
ACCURATE and reliable result

- r^2=0.989
- Substantially equivalent to flow cytometry

Principle

ADAM-rWBC HT stains nuclei of White Blood Cell using Propidium Iodide (PI) and detects its fluorescent expression. It automatically focuses on the slide and counts the cells from 63 images, then averages out the counting results to increase the accuracy and reliability.

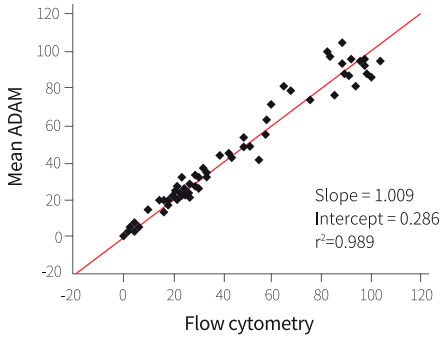




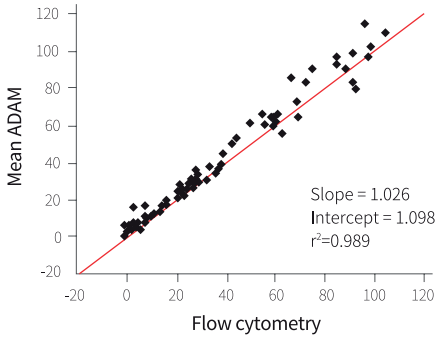
Performance | Comparison to flow cytometry

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

RBC product



Platelet products



Precision test

Stain-to-Stain Precision - RBCs							
WBC / µL target	Site#	Mean	SD	Total CV%	Mean	SD	Total CV%
		Unit 01			Unit 02		
0-1	1	<1	0.43	NA	1	0.47	44.15
	2	<1	0.62	NA	1	0.96	69.91
	3	<1	0.19	NA	<1	0.60	NA
5-10	1	6	1.05	17.20	8	0.89	10.84
	2	6	1.85	28.97	10	1.32	13.49
	3	7	0.62	9.39	6	0.98	17.57
20-30	1	26	2.11	7.98	27	2.34	8.53
	2	20	0.89	4.38	24	2.33	9.70
	3	25	2.15	8.49	27	3.60	13.59
50-60	1	49	2.77	5.64	54	3.26	6.07
	2	47	3.47	7.42	64	4.59	7.21
	3	54	2.39	4.41	55	3.67	6.71
80-100	1	82	1.91	2.33	90	7.37	8.19
	2	73	6.35	8.69	84	5.14	6.09
	3	91	4.27	4.68	89	4.66	5.24

Stain-to-Stain Precision - Platelets							
WBC / µL target	Site#	Mean	SD	Total CV%	Mean	SD	Total CV%
		Unit 01			Unit 02		
0-1	1	1	0.81	60.05	<1	NA	NA
	2	<1	0.22	NA	<1	0.42	NA
	3	<1	0.31	NA	<1	0.44	NA
5-10	1	8	0.85	10.77	8	0.83	11.02
	2	5	1.08	20.66	9	0.87	9.54
	3	6	0.92	14.84	6	1.17	18.37
20-30	1	26	1.79	7.00	25	2.49	10.07
	2	15	2.08	13.89	26	1.64	6.34
	3	28	2.65	9.47	29	2.02	6.88
50-60	1	52	2.84	5.48	55	2.74	4.96
	2	32	2.57	7.94	49	1.68	3.42
	3	61	3.07	5.04	614	3.99	6.58
80-100	1	92	5.89	6.39	90	3.93	4.38
	2	53	2.27	4.30	84	3.03	3.61
	3	98	3.39	3.45	100	3.69	3.67

* American Red Cross Holland Lab, Rockville, MD

ADAM-rWBC HT

Cat No. ADAM-rWBC HT

Analysis time	45 sec/test (50 min/50 tests)
Measuring range	1~100 cells /μL
Voltage	100-240V~
Current consumption	5.0A
Weight	120 Kg
Size (WxDxH)	1020 x 670 x 730 mm

ADAM-rWBC Kit

Cat No. ADHK-050

Standard bead	7 mL
r-Solution	25 mL
r-Slide	50 pcs (Loading sample volume : 100 μL/test)

Not affected by temperature

Standard bead and r-Solution can be used without being affected by temperature variations and should not be negatively impacted by shipping.

Ordering information

Catalog number	Product name
ADAM-rWBC HT	ADAM-rWBC HT

Catalog number	Product name
ADHK-050	ADAM-rWBC Kit (50 tests)

NanoEntek

NESCT-ARH-001E (V.0.1)

Scan for more information.

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