



ADAMI II™ - CD34

*Revolutionary
new way to count CD34*



Scan for more information.

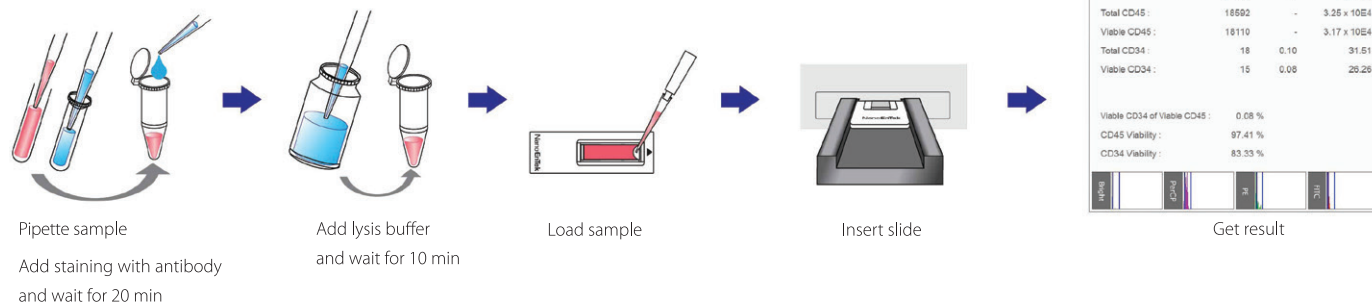
Revolutionary new way to count CD34

ADAMII™-CD34 is a bench top fluorescent CD34 counting analyzer that can be used in hospital and research laboratory. It has 4-channel (Bright, Yellow (PE), Red (PerCP) and Green (FITC)) light sources and performs assays for CD34+ / CD45+ cells as well as cell viability (CD34 and CD45) simultaneously. The automatic X-Y-Z stage captures up to 136 images and increases the accuracy of analysis. The obtained images are processed by image analysis software integrated inside the system. All procedures are automatic once the stained sample has been dropped to the disposable chip.

Features

- A benchtop fluorescence CD34 counting analyzer
- Can be used in hospital and research laboratory
- Visualize: Quantitative results with visual confirmation
- Quantifies fluorescent CD34 stem cells-antibody

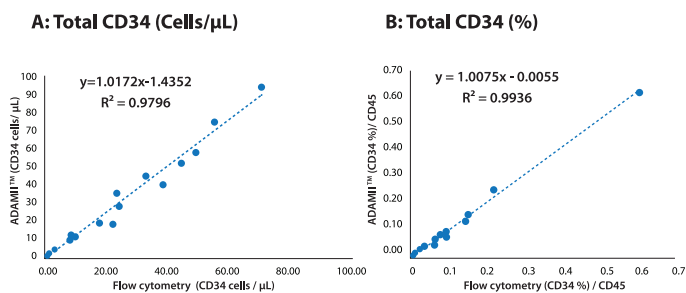
Simple and easy of use



Highly accurate analysis

ADAMII™-CD34 VS. Flow cytometry (Mobilized PB)

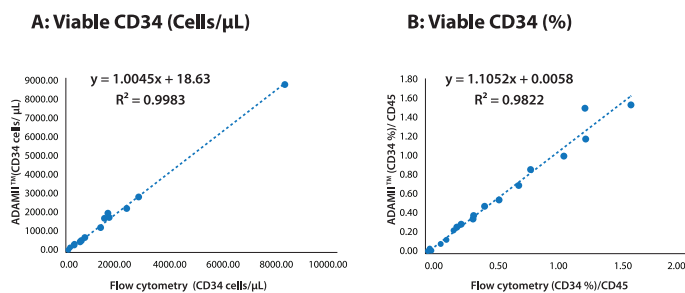
Total 16 Mobilized PB samples were used to compare ADAMII™ and flow cytometry. Linear regression analysis revealed a close correlation between the data for the absolute number of CD34+ and its cell fractions (%) obtained with the ADAMII™ and those obtained with the flow cytometry for PBSCs (Absolute number of CD34, $R^2 = 0.97$; CD34+ fractions (%), $R^2 = 0.99$).



The correlation for CD34 cell counts between the ADAMII™ and the flow cytometry (A) Absolute number of CD34+ cells, (B) Percentage of CD34+ cells

ADAMII™-CD34 VS. Flow cytometry (PBSC)

Total 18 PBSC samples were used to compare ADAMII™ and flow cytometry. Linear regression analysis revealed a close correlation between the data for the absolute number of CD34+ and its cell fractions (%) obtained with the ADAMII™ and those obtained with the flow cytometry for PBSCs (Absolute number of CD34, $R^2 = 0.99$; CD34+ fractions (%), $R^2 = 0.98$).



The correlation for CD34 cell counts between the ADAMII™ and the flow cytometry (A) Absolute number of CD34+ cells, (B) Percentage of CD34+ cells

Specification

Light source	Bright, Yellow (PE), Red (PerCP), Green (FITC)	Total Frame / Total volume	136 frame / 7.854 uL
Camera	High-sensitivity monochrome CCD	Reading area / Chamber volume	28 x 8 x 0.1 mm / 25 uL
Lens	Olympus lens (10X) / 35 ϕ tube lens	Stage	Automated X-Y-Z stage
Sample type	HPC-A, Mobilized PB, Control	Dimension	300 x 420 x 370 mm (L x W x H)
Fluorescence	PerCP: BLP01-635R (650 long pass)	Weight	19.3 kg
	PE: Excitation 525/50, Emission 572/28-25		
	FITC: Excitation 466/40, Emission 550/50		