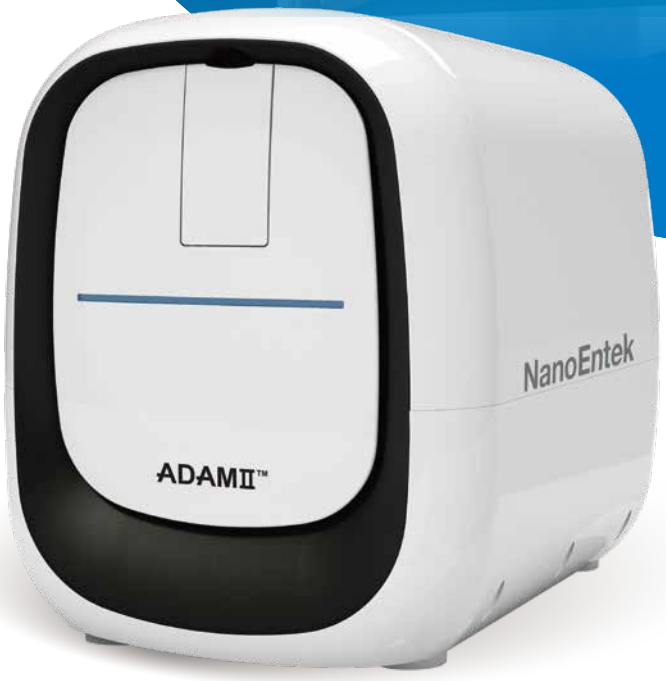
IVD

NanoEntek

The Image-based

CD34 Hematopoietic Stem Cell Counter for Stem Cell Transplantation

FDA 510(k) cleared, CE approved



ADAMII™ CD34

Bench-top Fluorescence Cell Counter

Fresh HPC-A ☑
MPB ☑

THE ONLY IMAGE-BASED CD34 HEMATOPOIETIC STEM CELL COUNTER

ADAMII™ CD34 is the only image-based Hematopoietic Stem Cell (HSC) enumeration device which is approved for *in-vitro* diagnostics use. It can count HSCs from Mobilized Peripheral Blood (MPB) and hematopoietic progenitor cells apheresis (HPC-A) product which are the major sources of stem cell transplantation. ADAMII™ CD34 is applicable to both autologous and allogeneic donors and it is the best alternative solution for blood banks and stem cell transplantation centers who want to save turnaround time and cost without compromising accuracy.

PRODUCT FEATURES

No Gating

ADAMII™ CD34 is factory calibrated which does not require user to do any gating. But still shows comparable result with that of ***ISHAGE guideline applied FACS result.***

No Buffer

ADAMII™ CD34 is an image-based cell counter which does not require buffer to run machine.

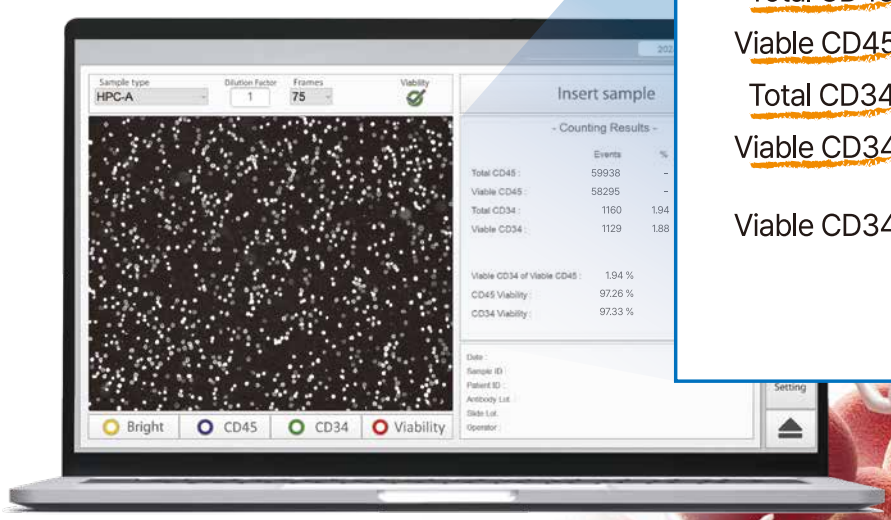
No Washing

No Maintenance

No maintenance cost

No Calculation

Same parameters as FACS



	Events	%	Cells/μL
Total CD45 :	59938	-	219246.48
Viable CD45 :	58295	-	213238.39
Total CD34 :	1160	1.94	4243.15
Viable CD34 :	1129	1.88	4129.76

Viable CD34 of Viable CD45 : 1.94 %

CD45 Viability : 97.26 %

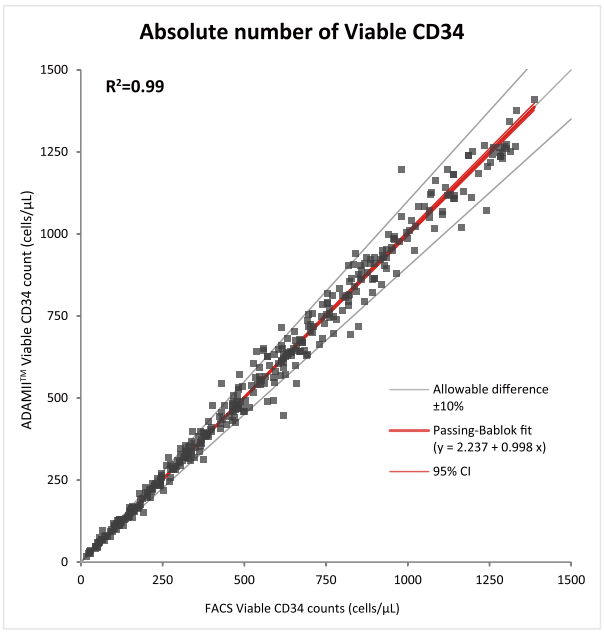
CD34 Viability : 97.33 %

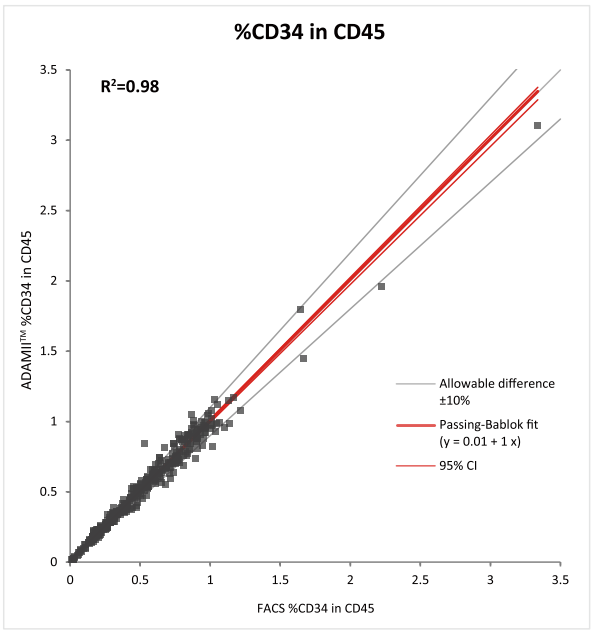
COMPARABLE ACCURACY

Comparable result with that of FACS · ADAMII™ CD34 VS Flow Cytometry

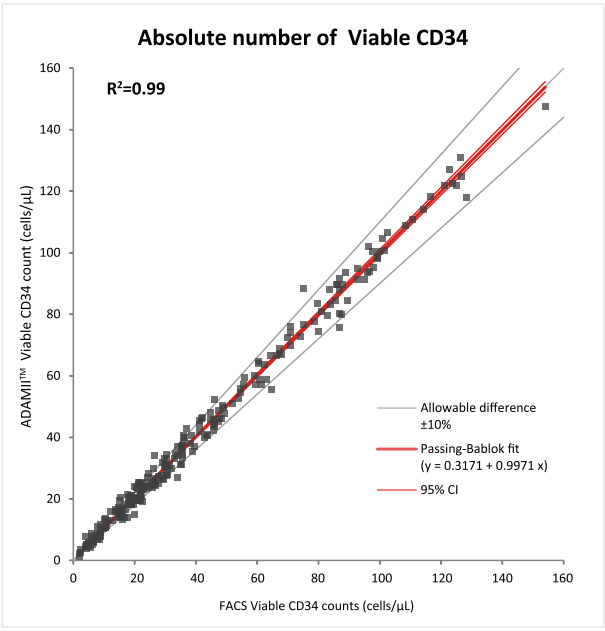
A Total of **382 Fresh HPC-A samples** and **248 MPB samples** were used to compare ADAMII™ and flow cytometry. Linear regression analysis revealed a close correlation between the data for the absolute number of CD34+ and its cell fractions (%) obtained with the ADAMII™ and those obtained with the flow cytometry.

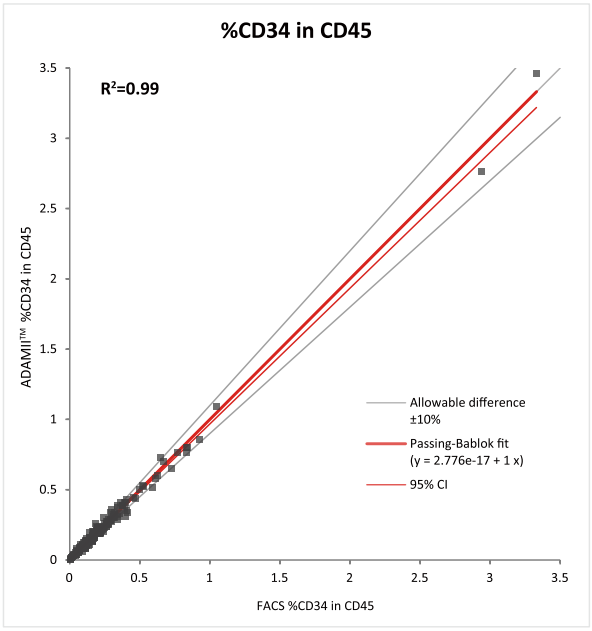
HPC-A





MPB





SIMPLE PROCEDURE

Easy sample preparation. Viability dye, CD34 and CD45 antibodies are All-in-One solution. With minimum training, you can enumerate CD34+ stem cells.

Add sample and reagents to a test tube and incubate for 20 minutes.

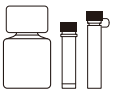
Add RBC lysis buffer and incubate for 10 minutes.

Load the prepared sample into ADAMII™ assay slide.

Insert the slide into ADAMII™ CD34.

Scan me

ORDERING INFORMATION

Cat.No.	Product	Contents
ADAM2	ADAMII™ CD34 Bench-top Fluorescence Cell Counter	 Main Device  Laptop PC
CD34K-025	ADAMII™ CD34 Kit Disposables for ADAMII (25 tests/kit)	 Assay slides  **ADAMII™ CD34 Kit Reagent** • CD34 Reagent • 10X RBC Lysis buffer • Calibration beads

SPECIFICATIONS

Light source	1 bright field, 3 fluorescences	Loading volume	25 µL
Camera	High-sensitivity monochrome CCD	Stage	Automated X-Y-Z stage
Sample type	HPC-A, Mobilized PB, Cord blood	Dimension	300 x 420 x 370 mm (L x W x H)
Total frame	75 frames	Weight	19.3 kg

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