

IVD

NanoEntek



A Reliable In-house Solution
for Cord Blood CD34+
Stem Cell Count

FDA 510(k) cleared, CE approved

ADAMI II™ CD34

Bench-top Fluorescence Cell Counter

Fresh Cord Blood
Frozen Cord Blood

A NEW SOLUTION for hematopoietic stem cell counting from Cord Blood

Umbilical Cord Blood (UCB) has become a vital source of CD34 hematopoietic progenitor cells for transplantation. Accurate CD34+ counts are crucial for assessing the quality and ensuring the preservation of UCB samples, further guaranteeing their effectiveness and safety in future transplants or research.

ADAMITM CD34 is the only image-based Hematopoietic Stem Cell (HSC) enumeration device approved for *in-vitro* diagnostic (IVD) use. It provides highly precise quantitative measurements of CD34+ stem cells from cord blood, with a rapid turnaround and minimal hands-on time required from the operator.

PRODUCT FEATURES

No Gating

ADAMITM 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 Washing & Buffer Free

No need of regular replacement for buffer or waste



No Extra Cost on Maintenance

Save cost from complex and costly daily maintenance



No Required Extensive Training

Fast results without needs of special training

SAME PARAMETERS AS FACS

Total CD34

Viable CD34

Total CD45

Viable CD45

CD34% of CD45

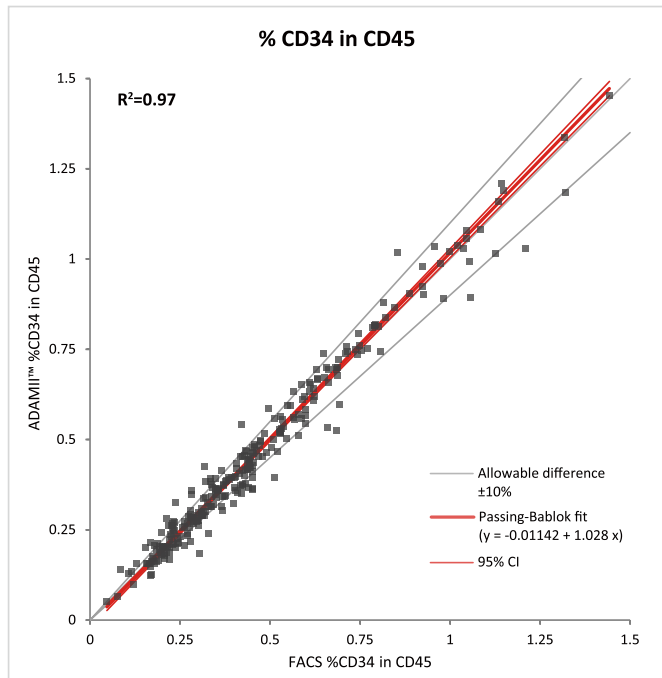
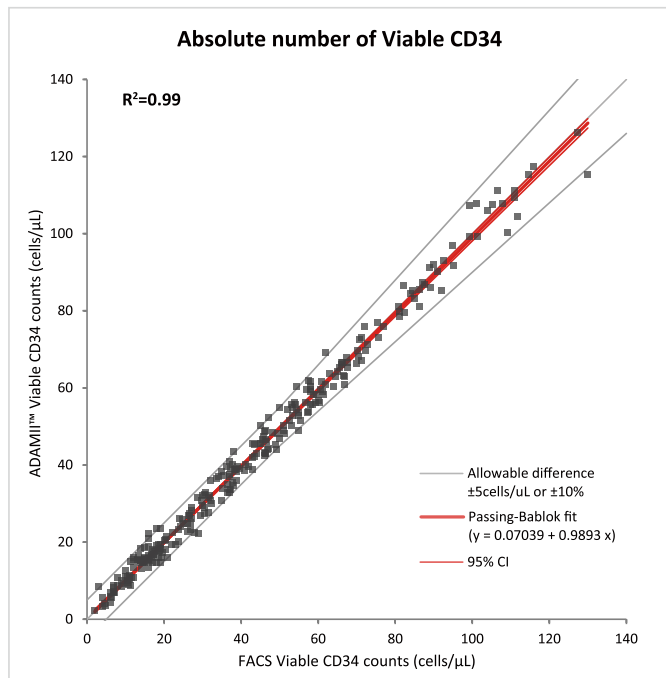


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SUPERIOR ACCURACY

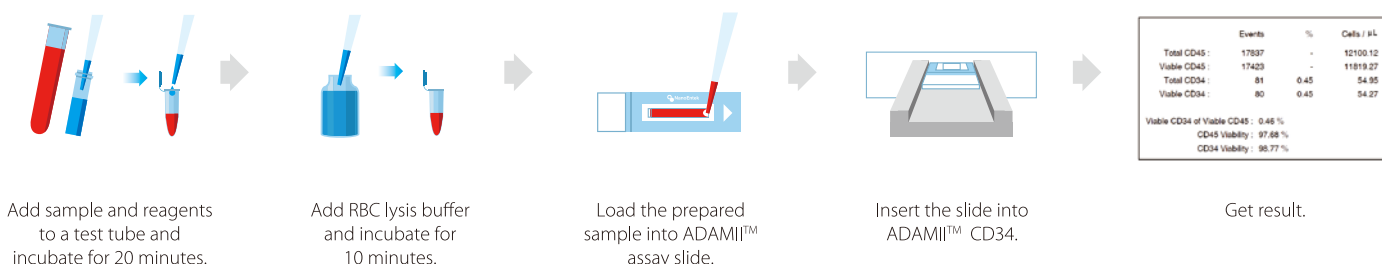
Comparable result with that of FACS • ADAMITM CD34 VS Flow Cytometry

A Total of 283 cord blood (fresh and frozen) samples were used to compare ADAMITM 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 ADAMITM and those obtained with the flow cytometry.



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.



SPECIFICATIONS

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


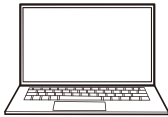

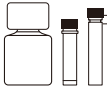


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ADAMII™ CD34

Revolutionary new way to count CD34

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 <ul style="list-style-type: none"> • CD34 Reagent • 10X RBC Lysis buffer • Calibration beads



website www.nanoentek.com
e-mail ivdst@nanoentek.com

NanoEntek, Inc.

Head Office

12F, 5, Digital-ro 26-gil, Guro-gu, Seoul, 08389, Korea
Tel +82-2-6220-7940 / Fax +82-2-6220-7999

NanoEntek America, Inc.

220 Bear Hill Road, Suite 102, Waltham, MA 02451, USA
Tel +1-781-472-2558 / Fax + 1-781-790-5649

NanoEntek Europe | mts med-tech supplies GmbH

Lochamerstr. 4a, 82152 Martinsried, Germany
Tel +49-89-21-55-38-43 / Fax +49-89-99-95-46-60