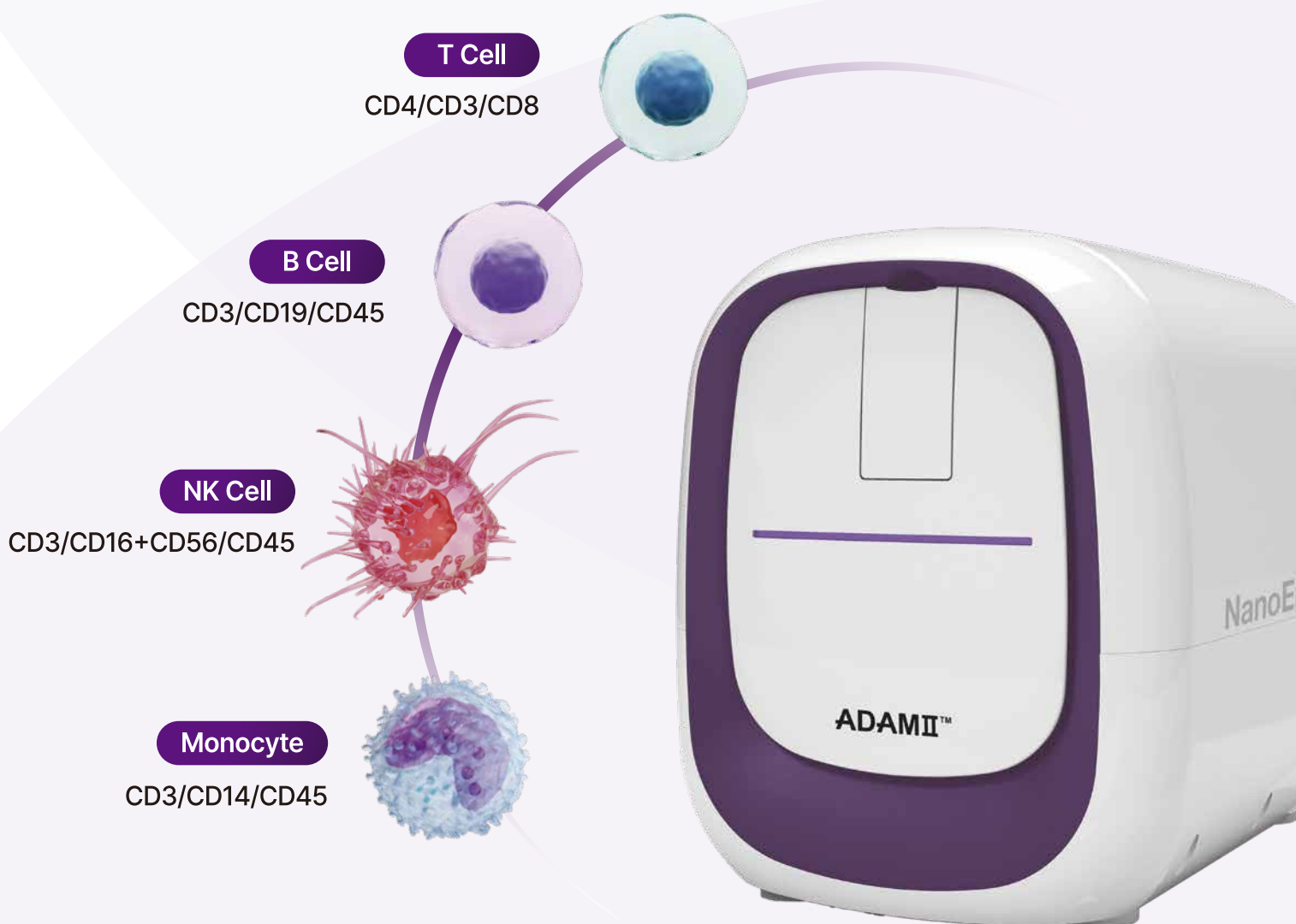


T Cell, B Cell, NK Cell, Monocyte All in One Counter

Simple and Easy Immunophenotyping



ADAMI II™ CDx
Bench-top Immune Cell Counter

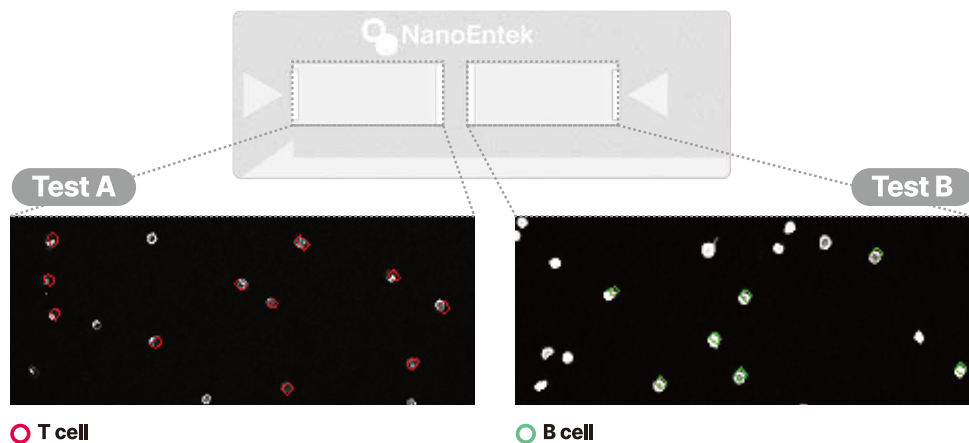
EMPOWERING PRECISION IN IMMUNE CELL ANALYSIS

ADAMIII™ CDx is an image-based immunophenotyping cell analyzer for cell therapy researches and productions. Featuring 4-channel optics, it provides absolute counting and identification of various immune cells, including T, B, NK cells. ADAMIII™ CDx is a highly efficient alternative to flow cytometry.

ADVANTAGES

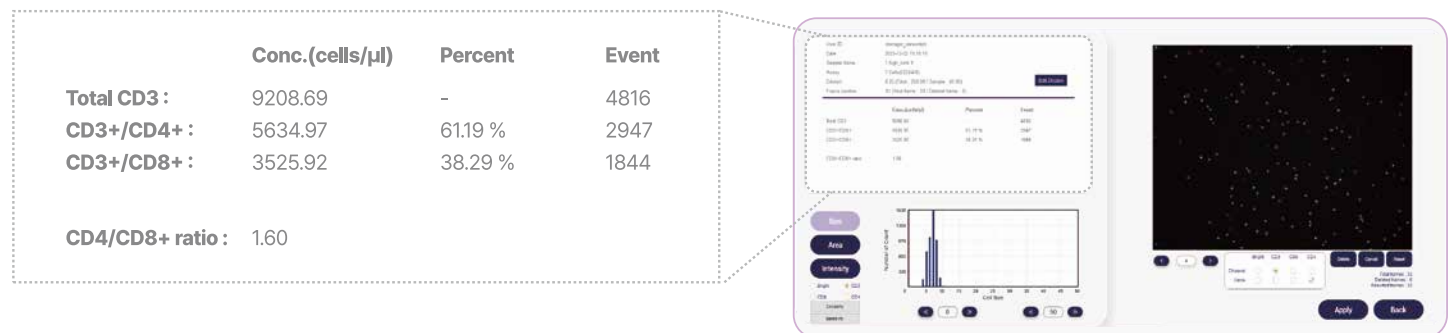
One Slide, Two Measurements

ADAMIII™ CDx slides has two separate chambers, enabling users to perform two different assays simultaneously on a single slide, thereby optimizing workflow efficiency and significantly reducing total analysis time.



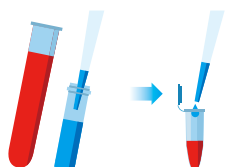
FULLY AUTOMATED DATA ANALYSIS, NO GATING & NO CALCULATION

ADAMIII™ CDx takes images and analyzes them in a fully automated manner. It does not require manual gating or calculation. It produces key metrics such as event numbers, cell concentration (cells/ μ L), and percentages.

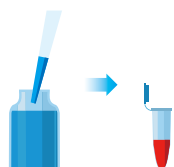


SIMPLE PROCEDURE

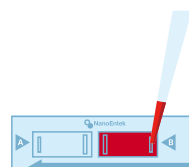
Easy sample preparation. After quick training, one can easily count immune cell subtypes.



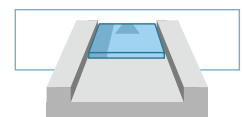
Add 40 μ L sample and 10 μ L reagent to a test tube and incubate for 15 minutes.



Add 200 μ L 1X RBC lysis buffer and incubate for 10 minutes.



Load 25 μ L of the stained sample into ADAMIII™ CDx Assay slide.

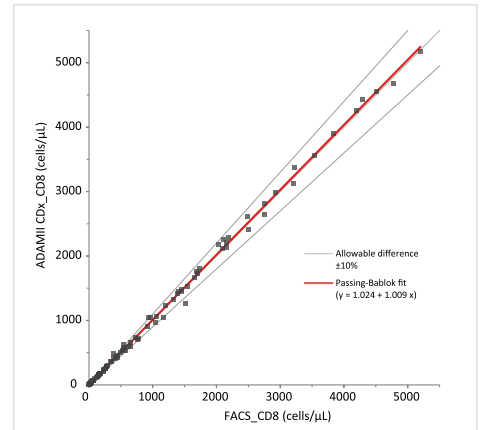
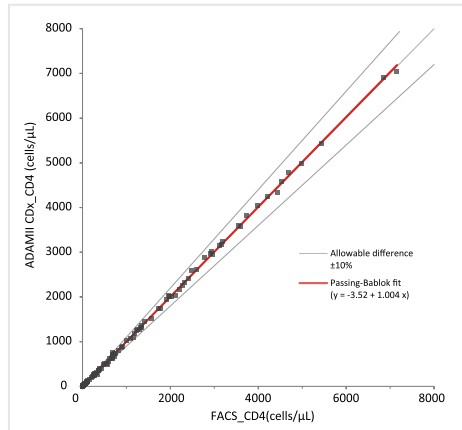
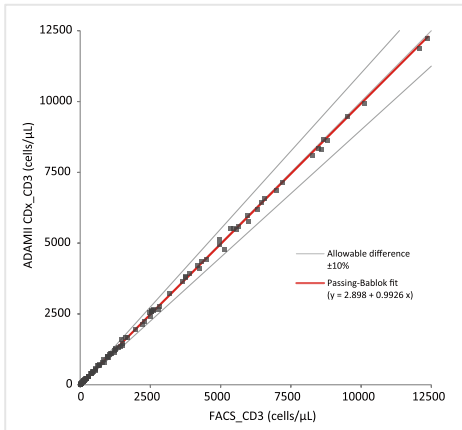


Insert the slide into ADAMIII™ CDx.

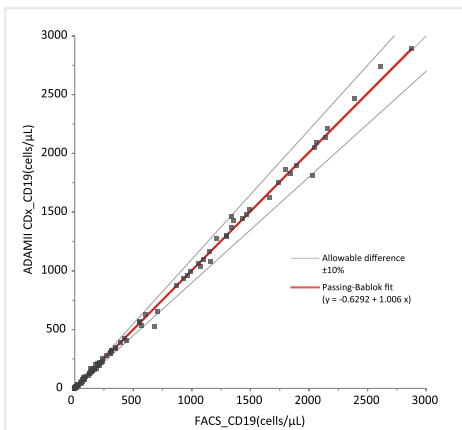
HIGH CORRELATION BETWEEN ADAMI^{III}™ CDx AND FLOW CYTOMETRY

ADAMI^{III}™ CDx shows outstanding agreement with flow cytometry across major immune cell types in whole blood and PBMC ($r > 0.99$, slope ≈ 1.0).

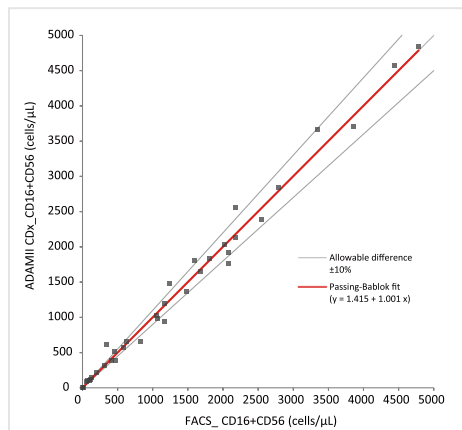
T cell



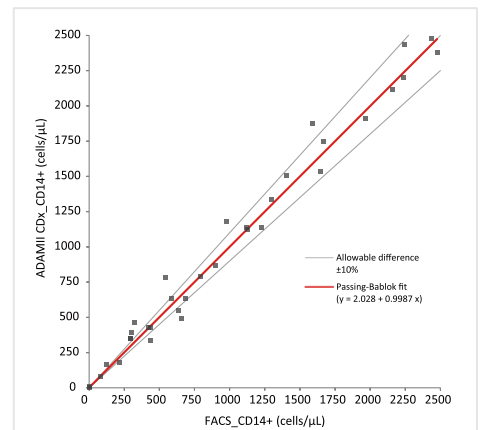
B cell



NK cell



Monocyte



OUTSTANDING REPEATABILITY PERFORMANCE

High degree of repeatability has been demonstrated across assays. Table below shows repeatability of control materials.

	Total CD3 (cells/ μ L)		CD3+/CD4+ (cells/ μ L)		CD3+/CD8+ (cells/ μ L)		CD19+ (cells/ μ L)		CD16+&CD56+ (cells/ μ L)		CD14+ (%)	
	Mean	%CV	Mean	%CV	Mean	%CV	Mean	%CV	Mean	%CV	Mean	%CV
CD-Chex Plus CD4 Low	871.69	4.68	147.99	2.99	533.87	5.06	221.86	3.9	255.77	2.56	N/A	N/A
CD-Chex Plus Normal	1580.42	4.92	1024.31	5.68	484.52	5.61	160.84	4.12	227.32	3.07	10.20	3.15

21 CFR PART 11 COMPLIANCE

ADAMII™ CDx software complies with 21 CFR part 11 requirements. It provides full electronic records to track all user activities, and requires an electronic signature to modify or export data. It meets rigorous requirements for cGMP.



Audit Trail

Automatic tracking of every user action with timestamps.

Electronic Signatures

Secure authorization for data modification and export.

User Hierarchy

Multi-level access control to experimental data.

SPECIFICATIONS

Item	Description	Item	Description
Lens	10 ×	Loading volume	25 µL
Fluorescence	PerCP, PE, BV510	Measuring volume	5.7 µL
Analysis time*	4 min 10 sec (55 frames for each chamber)	Dimensions	300 mm(W) x 420 mm(D) x 370 mm(H)
Export format	Report (PDF, CSV), Image (JPG), Raw data (FCS)	Weight	19.3 kg

*It varies depending on assays and settings.

ORDERING INFORMATION

Cat.No.	Product	Contents
ADAMII-CDx	ADAMII CDx System	Main device, Laptop
ATK-025	ADAMII T cell assay kit (CD4/CD8/CD3)	Anti-Human CD4 BV510/CD8 PE/CD3 PerCP (25 tests)
ABK-025	ADAMII B cell assay kit (CD3/CD19/CD45)	Anti-Human CD3 BV510/CD19 PE/CD45 PerCP (25 tests)
ANK-025	ADAMII NK cell assay kit (CD3/CD16+CD56/CD45)	Anti-Human CD3 BV510/CD16+CD56 PE/CD45 PerCP (25 tests)
AMK-025	ADAMII Monocyte assay kit (CD3/CD14/CD45)	Anti-Human CD3 BV510/CD14 PE/CD45 PerCP (25 tests)
AS2C-025	ADAMII CDx Assay Slide 2Ch	25 ea



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

FOR RESEARCH USE ONLY.
Not for use in diagnostic procedures.

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

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