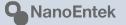
COUNT ACCURATELY AND ANALYZE EASILY AT YOUR BENCH



FLUORESCENCE CELL ANALYZER



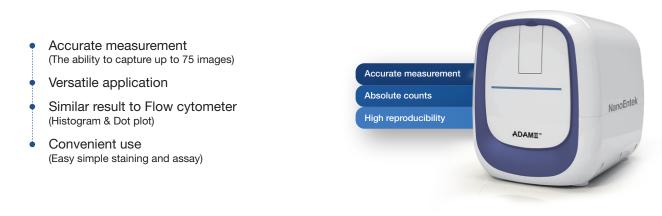




ADAMII[™]-LS, versatile fluorescence cell analyzer based on 4-channel (bright field, GFP, RFP, and DAPI) for life science laboratory, allows users to perform lots of assays for cells including cell counting (total & nucleus), viability, fluorescence expression, apoptosis, cell cycle and similarity to flow cytometer.



WINNING KEY FEATURES & BENEFITS



Wersatile application, convenient use, and accurate result

ADAMII[™]-LS, is convenient to set up and analyze cells easily without intensive training and effort. Everyone can run any cell-based assay required for high accuracy and low variation (CV%).





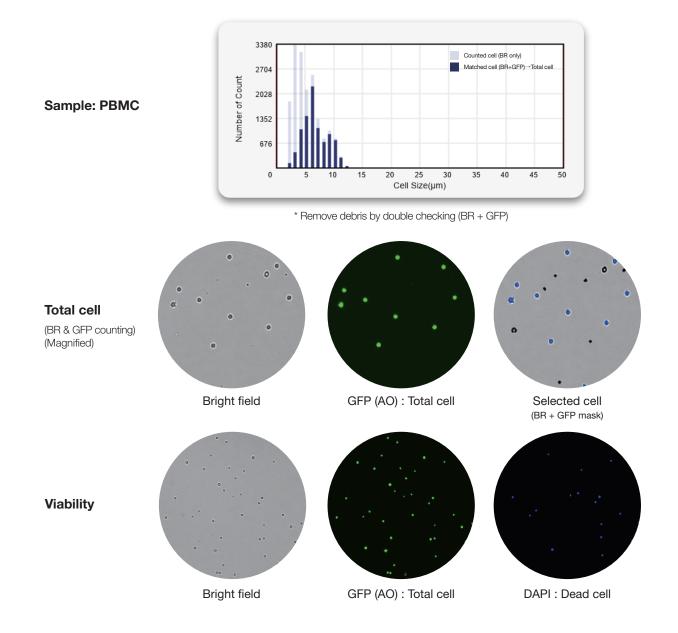
Apoptosis assay

Cell cycle assay

\\\\\\\ ADAMII[™]-LS, Image-based fluorescence cell analyzer

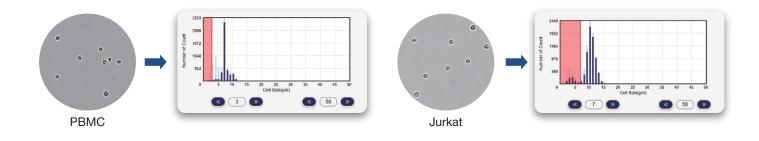
Total cell counting / Viability

In a PBMC sample with RBC and platelets, only nucleus cells (lymphocyte) are counted through fluorescence staining. It shows better performance than the trypan blue staining method commonly used. By mixing acridine orange (AO, cell permeable dye), and DAPI reagent (impermeable DNA dye), the total cell number and viability of the dyed fluorescence image can be measured accurately compared to the trypan blue staining method.



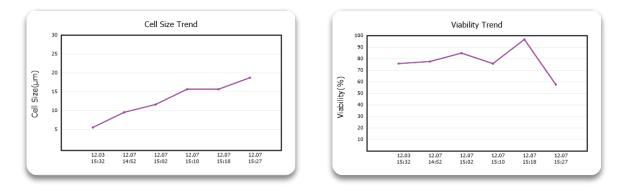
Cell size gating

ADAMII[™]-LS provides accurate cell size data measured by 10x lens. The photographed cells are analyzed according to their size and produce histograms. By performing cell size gating according to the size of each cell type, can get only the desired cells and obtain accurate values for cell size.



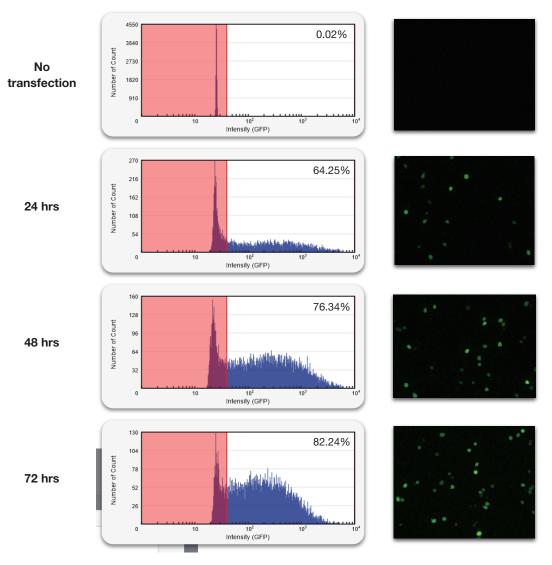
Cell size & Viability trend curve

User can compare and monitor cell size or viability by selecting the desired datum during a specific period. These trends could be helpful to see cell behavior and to decide the time point to harvest or treat.



Fluorescence expression

Through the dot plot, single channel result, and double channel result, it is possible to measure various fluorescence reagents and cell samples desired by the user.

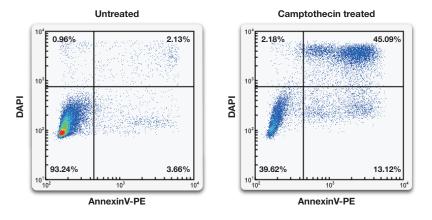


Hela cells transfected with GFP

Apoptosis

Apoptosis is programmed cell death which can be analyzed using Annexin V and DAPI reagent.

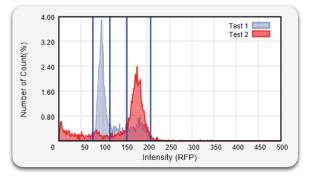
Annexin V binds with phosphatidylamine on the plasma membranes. DAPI has the ability to binding DNA in the cells. Through two fluorophores, early and late apoptotic cells are detected with the dot plot.



Jurkat cells treated with Camptothecin

Cell cycle

Cell cycle with PI cell cycle reagent produces cell cycle histogram, which is similar to flow cytometer (FACS), and cell cycle comparison which checks the cell cycle change compared to the control group.



	Test 1		Test 2		
	Conc. (cells/mL)	%cells	Conc. (cells/mL)	%cells	
Total cell :	9.39 x 10E5		8.36 x 10E5		
G0/G1 phase :	5.47 x 10E5	58.30 %	6.62 x 10E4	7.92 %	
S phase :	1.42 x 10E5	15.11 %	7.59 x 10E4	9.08 %	
G2/M phase :	2.08 x 10E5	22.19 %	5.10 x 10E5	61.03 %	

Jurkat cells treated with Epothilone B

Specification

Ordering information

Item	Description	Cat. No.	Product name	Contents	
Lens	10 x	ADAMII-LS	Fluorescence cell analyzer	Main instrument, Labtop	
Light source	Bright field, UV, Blue, Green LED		Cell viability reagent	Acridine orange (AO)	
Analysis time	App. 2 min ~ 4 min 30 sec *	ALAD-100		& 4',6-diamidino-2-phenylindole (DAPI) sta 0.5 mL x 2 tubes (100 Tests)	
Loading volume	25 μL		PI cell cycle reagent	Propidium Iodide (PI) stain: 1.25 mL x 2 tubes (100 Tests)	
Measuring volume	≤ 7.8 µL	ALPI-100			
Measurement range	$5 \times 10^4 \sim 5 \times 10^6$ cells/mL		Apoptosis detection kit	AnnexinV-PE stain 0.5 mL x 1 tube (100 Tests)	
Dimension	300 mm (W)x 420 mm (D)x 370 mm (H)	ALAP-100		DAPI solution: 125 µL x 1 tube (100 Tests)	
Weight	19.3 kg			AnnexinV binding buffer 10 mL x 1 tube (100 tests)	
* Depends on assay or frame.		A2AS-051	ADAMII Assay slide	• 1 ch x 50 slides/ case	

Nous contacter



Service client - commande : commande@ozyme.fr Service technique : Réactifs : 01 34 60 60 24 - tech@ozyme.fr Instrumentation : 01 30 85 92 88 - instrum@ozyme.fr

