

Professional Flow Cytometer Manufacturer



Flow Cytometer

Model : CC21080301

Flow Cytometer

We are committed to building our high-level flow cytometer for research and clinical diagnostics, and strive to become the leader of this industry in the future.

accurate results, and marvelous experience

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One-button operation
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Auto-sampling design
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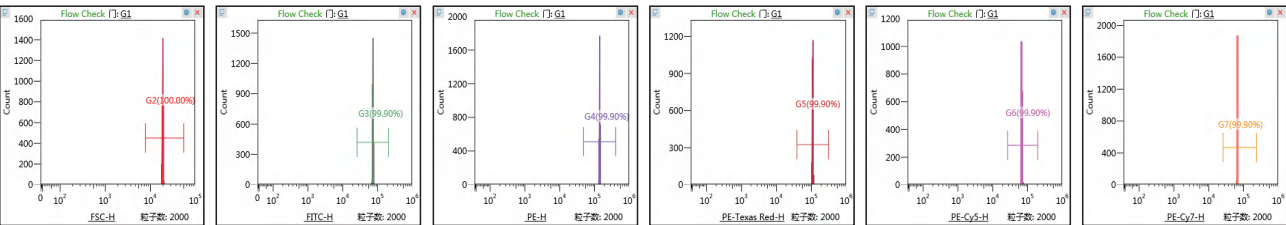
Dual threshold acquisition
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Automatic compensation

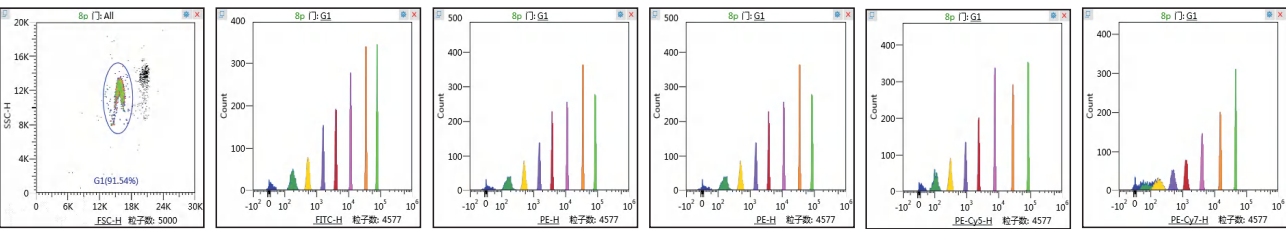


Accuracy

Excellent instrument resolution ratio: full peak width CV < 2%

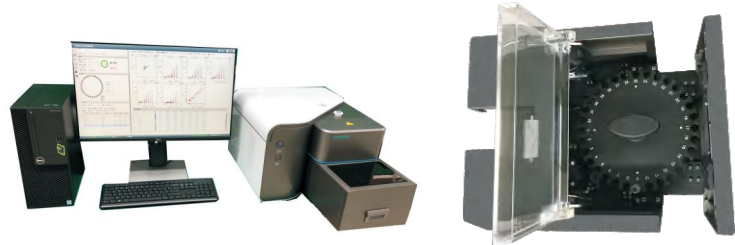


Excellent fluorescence detection limit: FITC < 50MESF, PE < 30MESF



Efficiency

32-tube rotary automatic loading module

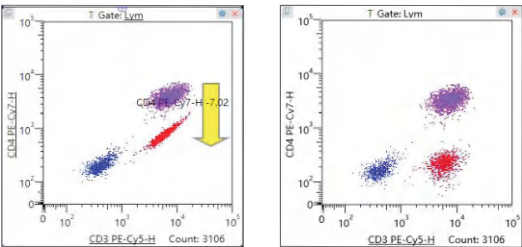


Continuous testing speed up to 32 tests / 0.5 h.

User-friendly

- English Software, easy to learn
- Graphical Fluorescence Compensation Tool
- One-click imported template

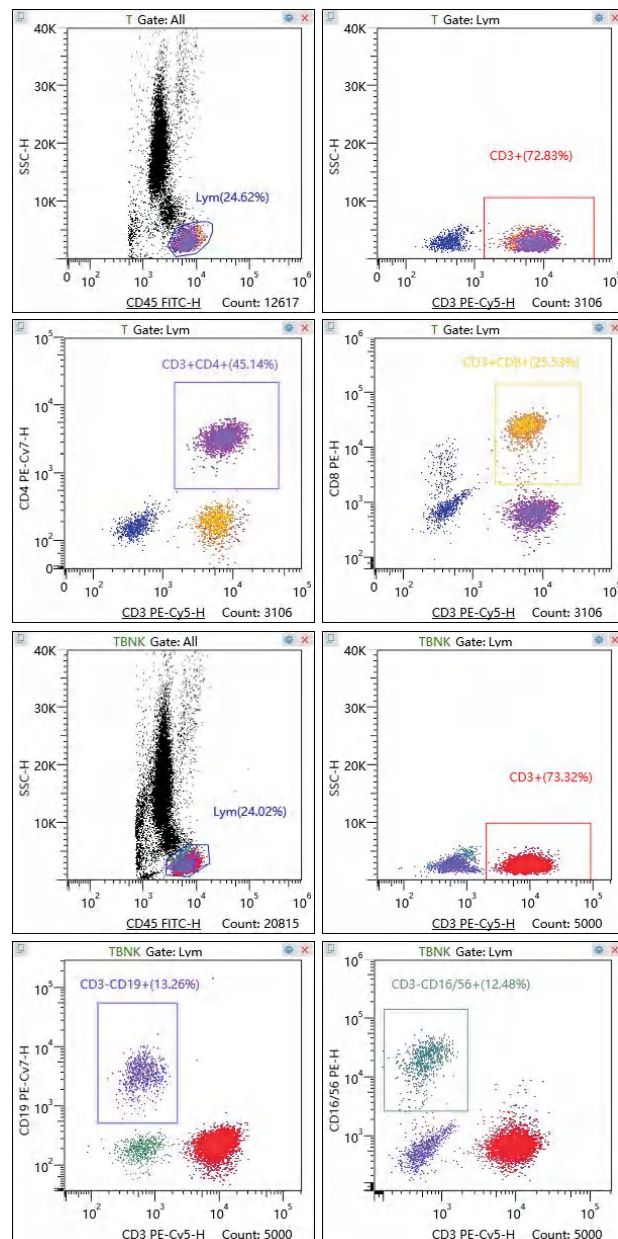
Instrument Control, Item Control, Easy to use



Clinical Application

- Lymphocyte Subset T/B/NK Analysis;
- Cytokine Th1/Th2/Th17 Analysis;
- Application of flow cytometry in reproduction.
- Absolute count of CD4+T lymphocyte;
- HLA-B27 detection for AS;

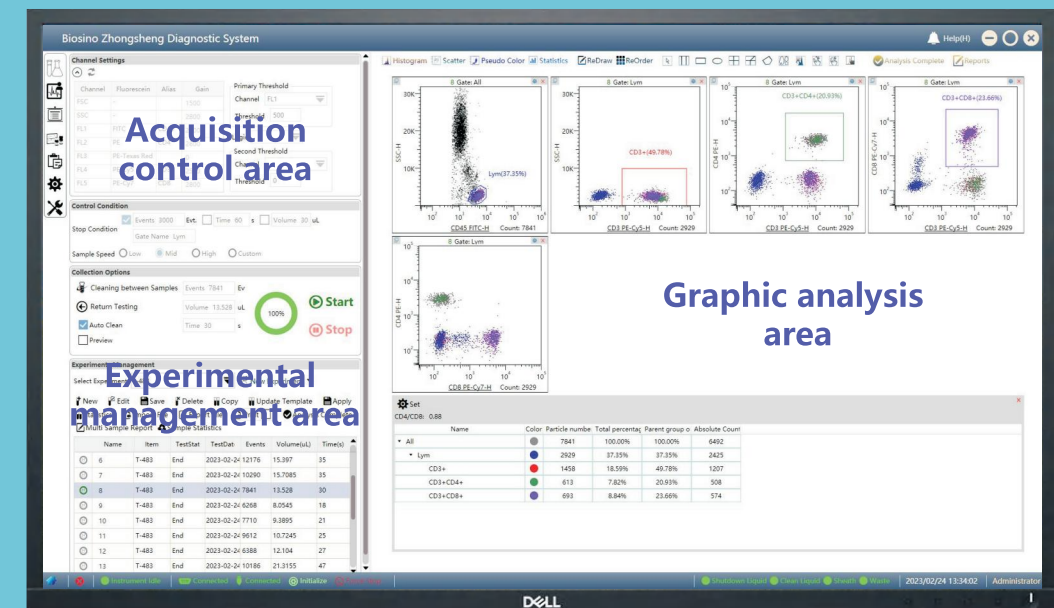
Lymphocyte Subset T/B/NK Analysis diagrams as below:



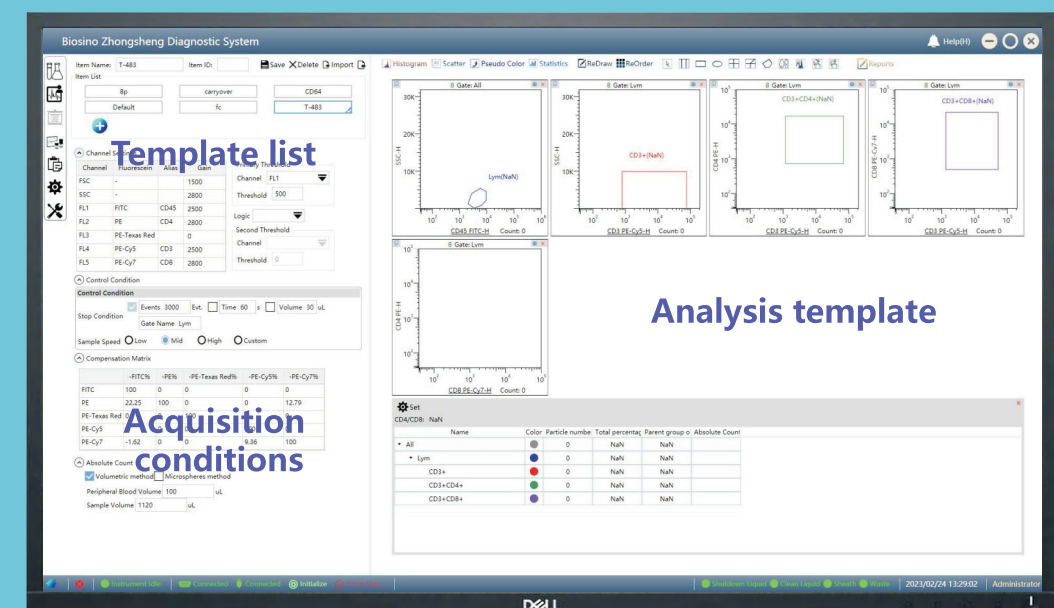
Recommended reagent information

Item	Recommended reagent		Application Department
Lymphocyte Subset T Analysis	CD45		Clinical Laboratory Infectious Disease Department Oncology Department Department of Rheumatology and Immunology Department of Pediatrics blood specialty
	CD4		
	CD3		
	CD8		
Lymphocyte Subset T/B/NK Analysis	CD45		
	CD3		
	CD16		
	CD56		
	CD19		
Absolute count of CD4+T lymphocyte	CD45		CDC (AIDS) Infectious Disease Department
	CD4		
	CD3		
	CD8		
Cytokine Th1/Th2/Th17 Analysis	Th1	IL-2	Infectious Disease Department Oncology Department Department of Rheumatology and Immunology Department of organ transplantation Respiratory department
		IFN- γ	
		TNF- α	
	Th2	IL-4	
		IL-6	
		IL-10	
		Th17	
HLA-B27 detection for AS	HLA-B27-FITC		Department of Rheumatology and Immunology Orthopaedics
	HLA-B7-PE		
	IgG2a-FITC		
	IgG1-PE		
DFI analysis	Acridine orange (AO) staining solution		Reproductive Department Infertility Department Reproductive Medicine Centre

Software interface



Software main interface



Project Template



 Service/After Sales



Free
Training



Regular
maintenance



Active care
service



Professional
Support

Item	Parameters	
Laser	488nm solid (60mW)	
Detector	FSC、SSC、FL1-FL5	
Fluorescence Channel	FL1:525/50 (FITC)	FL2:585/40 (PE)
	FL3:630/30 (PE-Texas Red/ECD/PI)	FL4:697/60 (PerCP/PE-Cy5/PE-Cy5.5)
	FL5:780/60 (PE-Cy7)	
Fluorescence sensitivity	FITC<50 MESF , PE<30MESF	
Fluorescence linearity	≥ 0.99	
FSC sensitivity	≤ 1μm	
Test particle size	0.2-50μm	
Carry Over	≤ 0.5%	
Instrument CV	FSC and all FL channel CV less than 2%	
FSC and SSC CV	Can separate red blood cells and platelet, can separate white blood cells into 3 groups	
Test speed	≥46000 cells/s	
Minimum Sample Vol	90μL	
Measure Range	Maximum Support 10 ⁷	
Threshold	Double threshold, minimum cells fraction	
Fluorescence compensation	Support auto online compensation, offline compensation and visualized compensation	
Item Template	Support Item template, acquisition condition/ fluorescence compensation 1-click use	
Intake method	Manual intake	
	Rotary Wheel auto-sampling with auto- mixing function:32tests/wheel,	
Liquid storage station	sheath bottle, waste bottle, shutdown liquid bottle 2L cleaning liquid bottle 0.5L	
Software	English/Chinese	
PC	Dell (CPU i5/8G DDR4/1T hard disk) +Dell 27 inches monitor	
Size/ Weight	500mm*605mm*305mm (L*W*H) ,35KG	