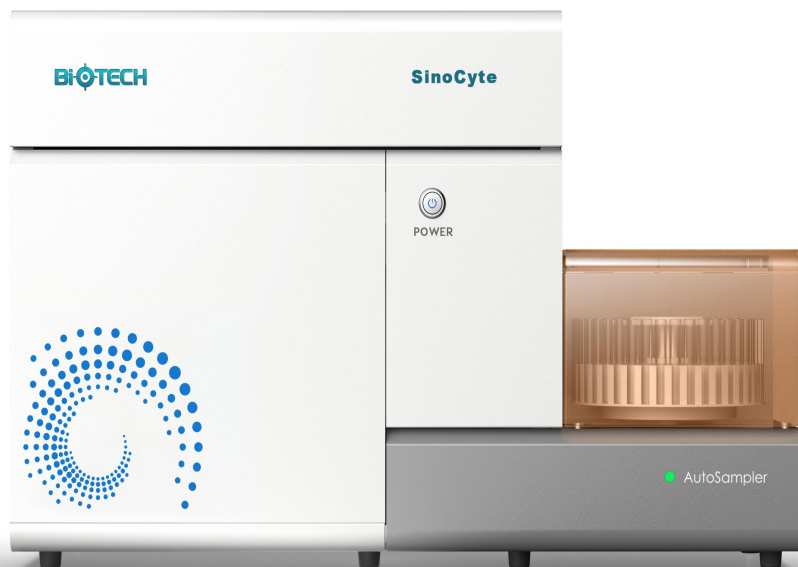


ДИАМ
современная лаборатория

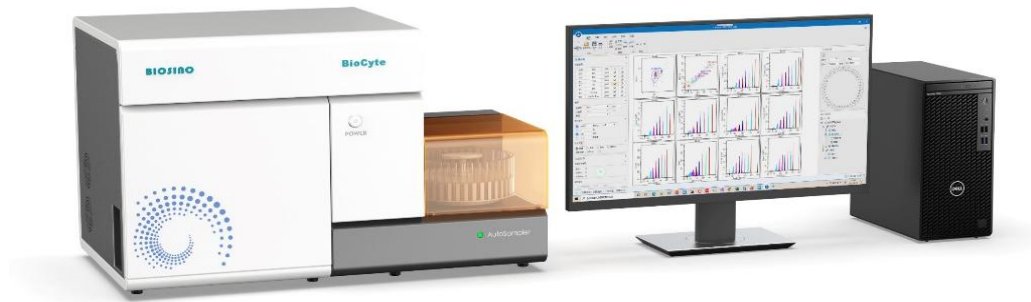
www.dia-m.ru
заказ on-line

BIOSINO-SinoCyte Flow Cytometry



SinoCyte—Main Competitive Product Analysis

BIOSINO-SinoCyte



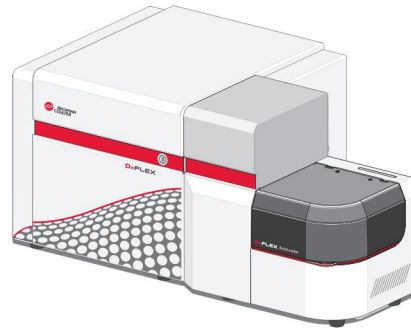
BD FACSCanto II



Beckman Navios



Beckman DxFLEx



Agilent NoveCyte



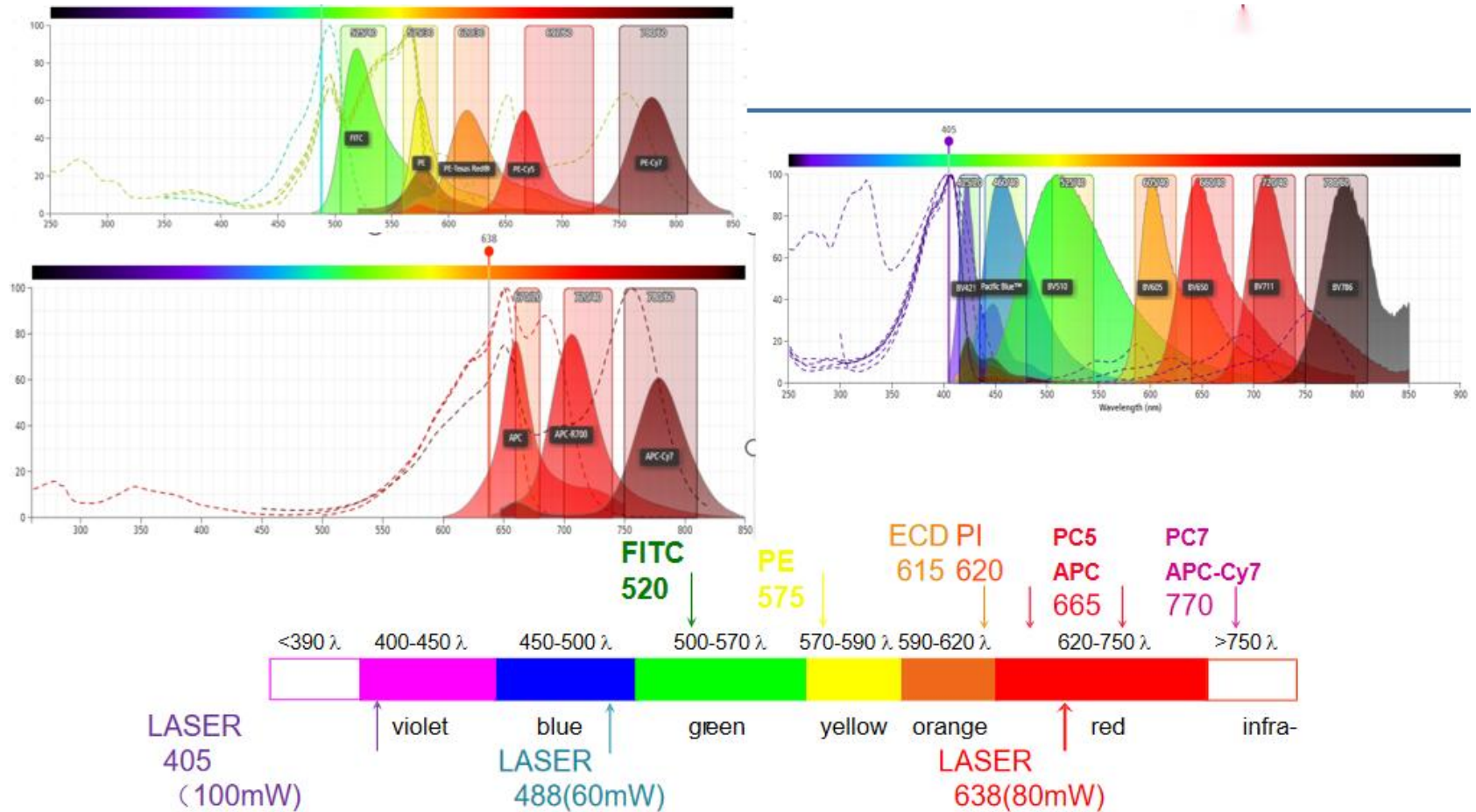
SinoCyte

Parameter Comparison With Other Brands

Instrument Name	SinoCyte	BD FACSCanto	Beckman Navios	Beckman DxFLEX	ACEAN ovoCyte
Maximum configuration	3 lasers 15colors	3 lasers 10 colors	3 lasers 10 colors	3 lasers 13 colors	3 lasers 13 colors
Laser	488nm (50mW) 638nm (60mW) 405nm (80mW)	488nm (20mW) 640nm (40mW) 405nm (30mW)	488nm (20mW) 638nm (25mW) 405nm (40mW)	488nm (50mW) 638nm (50mW) 405nm (80mW)	488nm (20mW) 640nm (40mW) 405nm (50mW)
Detector	APD	PMT	PMT	APD	PMT
Instrument Resolution	CV<3%	CV<3%	CV<3%	CV<3%	CV<3%
Fluorescence detection limit / MESF	FITC<100 PE <50 APC<50	FITC<100 PE <50	FITC<100 PE <50 APC<30	FITC<50 PE <30	FITC<50 PE <50
Fluorescence linearity	>0.99	>0.98	>0.98	>0.98	>0.98
Leading pollution rate	<0.5%	<0.5%	<0.5	<0.5%	<0.5%
Maximum collection speed Events/M	50,000.00	33,000.00	30000	30000	35000
Automatic sample loading module	40-tube carousel/96-well plate	40-tube carousel	32-tube carousel	32-tube carousel	24-tube array compatible 24/48/96 well plate

BIOSINO SinoCyte

3 lasers 15 colors 18 Parameters



SinoCyte—Main Parameter Configuration

Laser	3 lasers, 15 colors and 18 parameters
Light filter	488 laser: FSC,SSC,525nm,575nm,620nm,697nm,780nm (7 parameters)
	638 laser: 670nm, 720nm, 780nm(3parameters)
	405 laser: VSC,425nm, 460nm, 525nm, 605nm, 660nm, 720nm, 780nm, (8 parameters)
Instrument resolution	< 3%
Fluorescence sensitivity	FITC < 100 MESFPE< 50 MESF:APC <50 MESF
Fluorescence linearity	≥0.99
Forward scattered light resolution	< 0.45um
Detect particle range	0.2-50um
Contamination-carrying rate	< 0.5%
Check speed	> 50000 event/s

SinoCyte—Main Parameter Configuration

Excitation wavelength	Fluorescent channel / Filter	Recommended fluorescent dye	B5R3 V7	B5R3 V6	B5R3 V5	B4R3 V4	B4R3 V3	B4R3 V2	B4R2 V2	B5R3	B4R2	B3R1	B5	B4
			3 lasers 15 colors	3 lasers 14 colors	3 lasers 13 colors	3 lasers 11 colors	3 lasers 10 colors	3 lasers 9 colors	3 lasers 8 colors	2 lasers 8 colors	2 lasers 6 colors	2 lasers 4 colors	1 laser 5 colors	1 laser 4 colors
488nm 50MW	BL1 520/40	FITC, EGFP, BB515, Alexa Fluor 488	√	√	√	√	√	√	√	√	√	√	√	√
	BL2 575/30	PE, DsRed	√	√	√	√	√	√	√	√	√	√	√	√
	BL3 620/30	PE-Texas Red, ECD, PE-CF594, PI, 7-AAD	√	√	√	—	—	—	—	√	—	—	√	—
	BL4 697/60	PerCP, PE-Cy5, PerCP-Cy5.5, PE-Cy5.5, BB700, PerCP-eFluor710	√	√	√	√	√	√	√	√	√	—	√	√
	BL5 780/60	PE-Cy7, PE-Alexa Fluor 750	√	√	√	√	√	√	√	√	√	√	√	√
638nm 60MW	RL1 670/20	APC, Cy5, Alexa Fluor 647	√	√	√	√	√	√	√	√	√	√	—	—
	RL2 720/40	APC-R700, Alexa Fluor 680, Alexa Fluor 700	√	√	√	√	√	√	—	√	—	—	—	—
	RL3 780/60	APC-Cy7, APC-eFluor780, APC-H7	√	√	√	√	√	√	√	√	√	—	—	—
405nm 100MW	VL1 425/20	BV421, Cascade Blue	√	—	—	—	—	—	—	—	—	—	—	—
	VL2 460/40	Pacific Blue, V450, BV480	√	√	√	√	√	√	√	—	—	—	—	—
	VL3 525/40	BV510, V500	√	√	√	√	√	√	√	—	—	—	—	—
	VL4 605/40	BV605	√	√	√	√	√	—	—	—	—	—	—	—
	VL5 660/40	BV650	√	√	√	√	—	—	—	—	—	—	—	—
	VL6 720/40	BV711	√	√	—	—	—	—	—	—	—	—	—	—
	VL7 780/60	BV786, BV750	√	√	√	—	—	—	—	—	—	—	—	—

SinoCyte

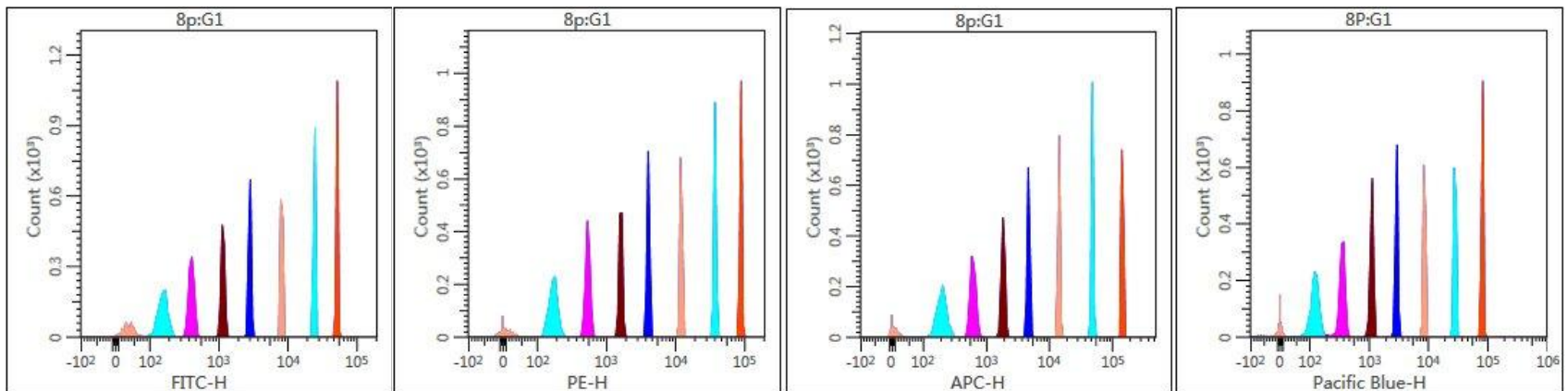
There are twelve configuration models

SinoCyte—Excellent Detection Performance

Fluorescence sensitivity was measured by eight-peak rainbow microspheres

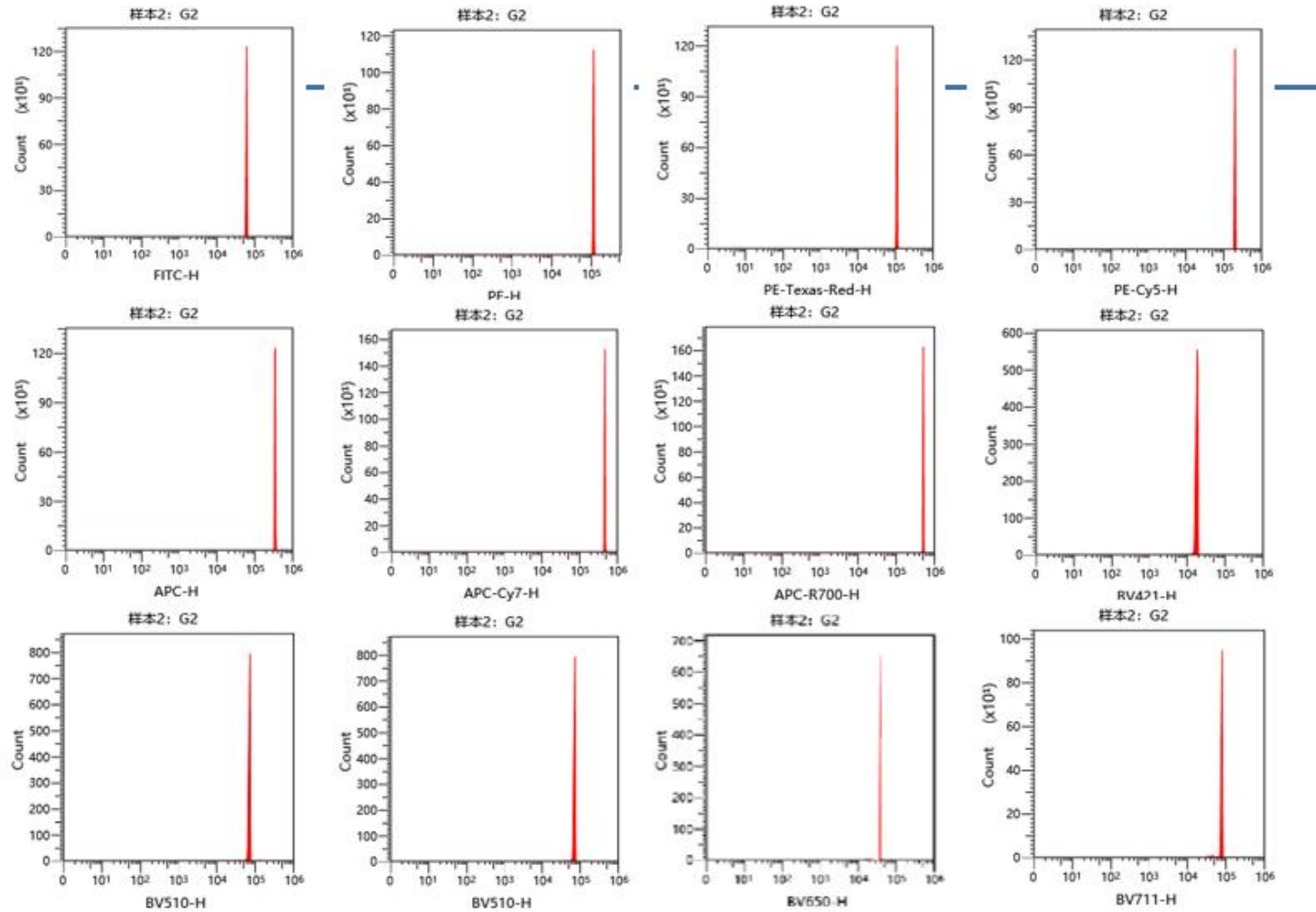
Superior instrument sensitivity perfectly separates 8 groups

FITC<100MESF; PE<50MESF; APC<50MESF



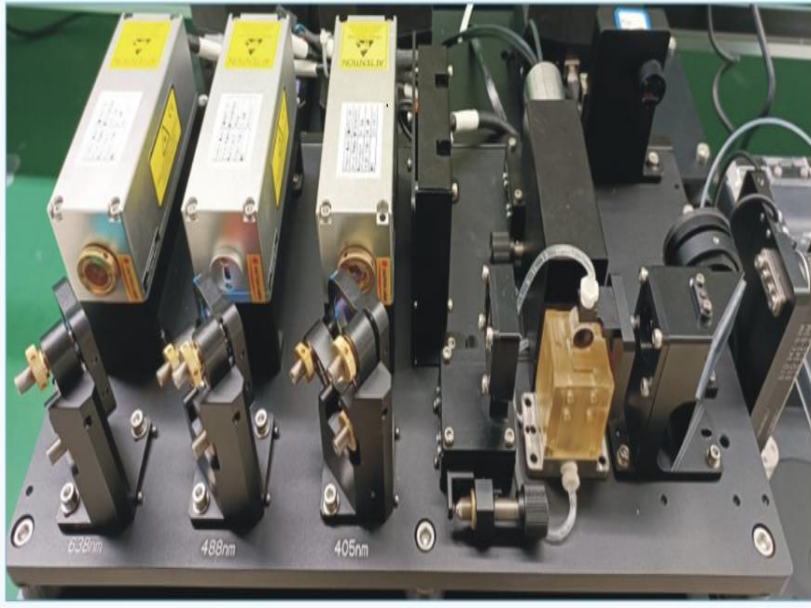
Unimodal Microsphere Detection

Instrument Resolution- $CV < 3\%$

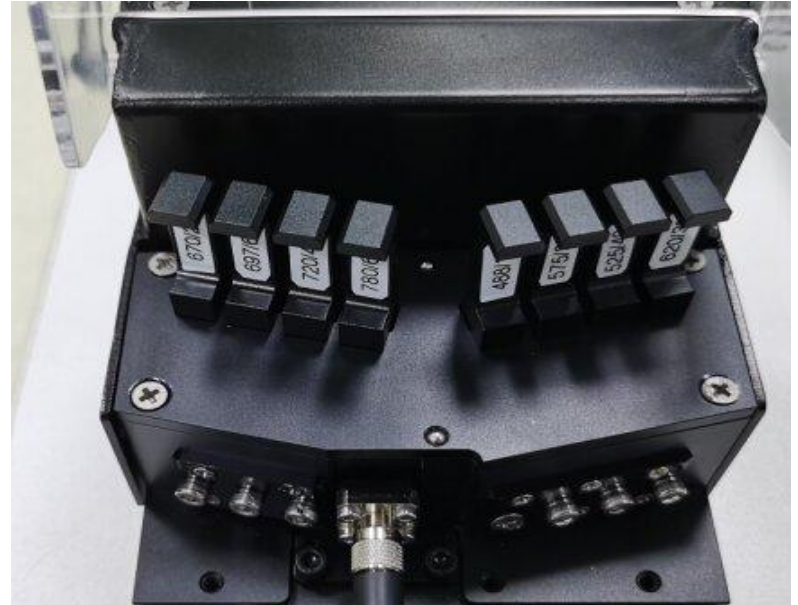


SinoCyte—Design Innovation Point

1. New elliptic spot laser

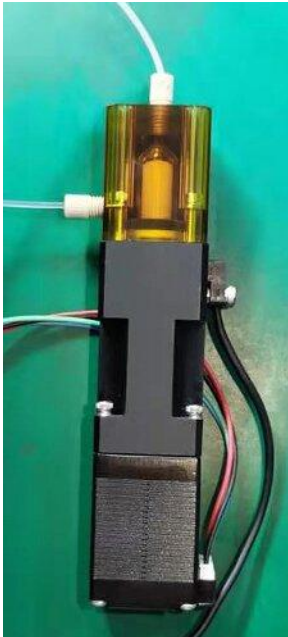


2. New WDM optical splitter module



SinoCyte—Design Innovation Point

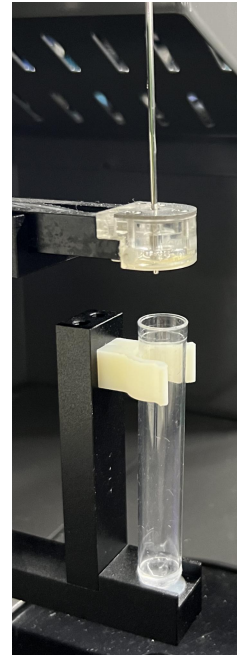
3. Plunger pump sampling system



Precise sampling

Ensure the accuracy of volume
method absolute counting

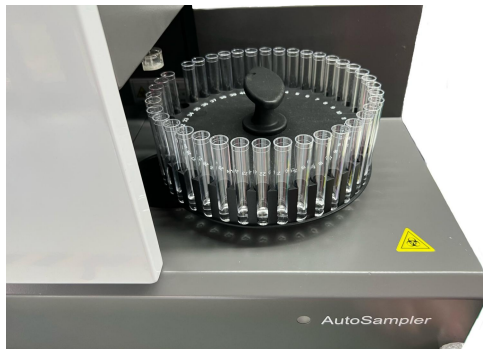
4. Injection needle with flush swab



**Cross
contamination rate < 0.5%**

SinoCyte—Design Innovation Point

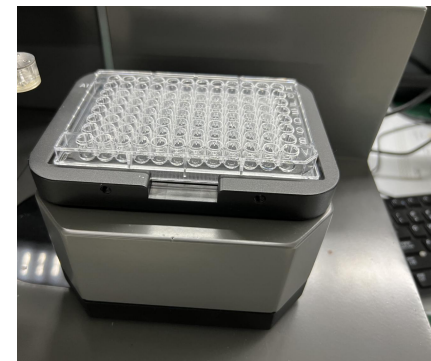
5. New automatic sampler with blending function



High timeliness

40 test tube Turntable (Double turntable scheme available)

The detection will be completed within 30 minutes

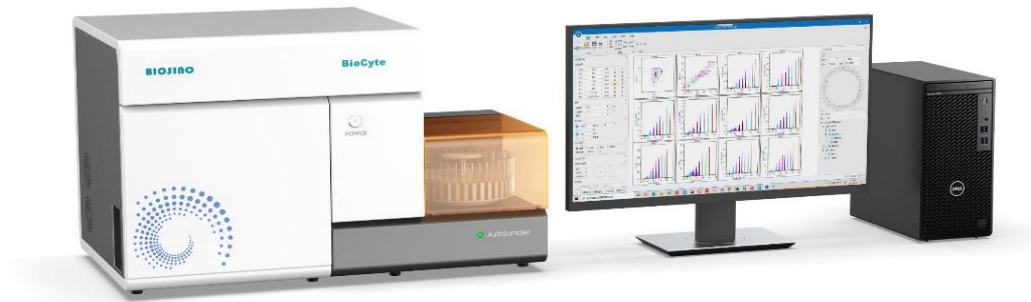


96-well plate

The detection will be completed within 60 minutes

SinoCyte—Main Competitive Product Analysis

BIOSINO-SinoCyte



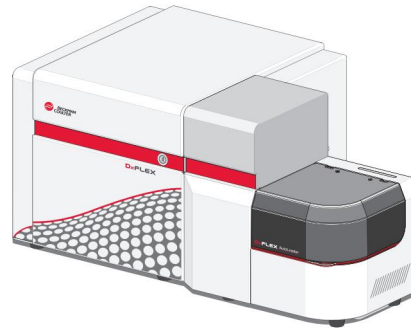
BD FACSCanto II



Beckman Navios



Beckman DxFLEx



Agilent NoveCyte



Thank You For Reading



000 «Диаэм»

Москва

ул. Магаданская, д. 7, к. 3 ■ тел./факс: (495) 745-0508 ■ sales@dia-m.ru

www.dia-m.ru

С.-Петербург

+7 (812) 372-6040
spb@dia-m.ru

Новосибирск

+7 (383) 328-0048
nsk@dia-m.ru

Воронеж

+7 (473) 232-4412
vrn@dia-m.ru

Йошкар-Ола

+7 (927) 880-3676
nba@dia-m.ru

Красноярск

+7 (923) 303-0152
krrsk@dia-m.ru

Казань

+7 (843) 210-2080
kazan@dia-m.ru

Ростов-на-Дону

+7 (863) 303-5500
rnd@dia-m.ru

Екатеринбург

+7 (912) 658-7606
ekb@dia-m.ru

Кемерово

+7 (923) 158-6753
kemerovo@dia-m.ru

Армения

+7 (094) 01-0173
armenia@dia-m.ru

