

RWD

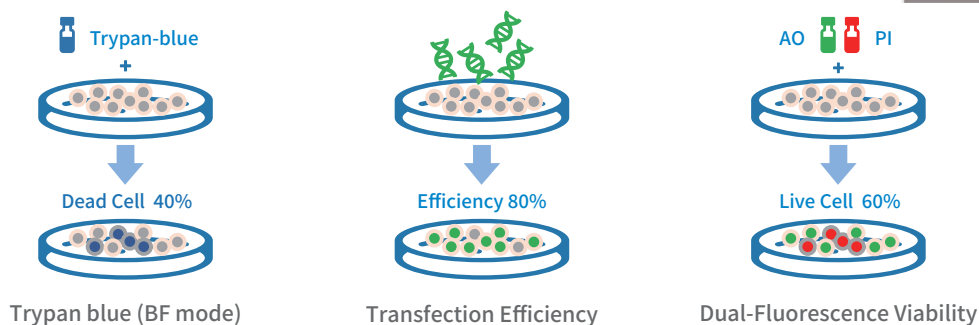
Automated Cell Counter

C100-SE • C100 • C200FL



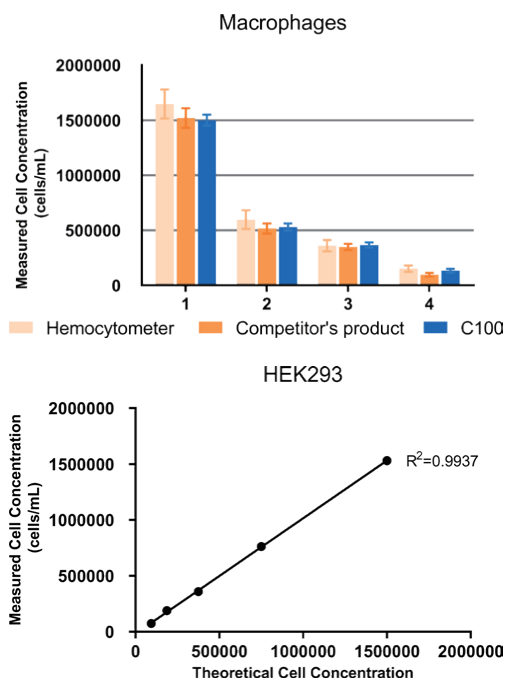
Routine Cell Counting을 위한 스마트한 선택

C100-SE와 C100은 bright field 기반의 자동 세포 계수 장비로, 세포 수, viability, 세포 크기 분석을 빠르고 정확하게 수행합니다. C100은 Fluorescence Cube를 추가 시 형광 기반 cell analysis와 transfection efficiency 분석 등이 가능합니다.



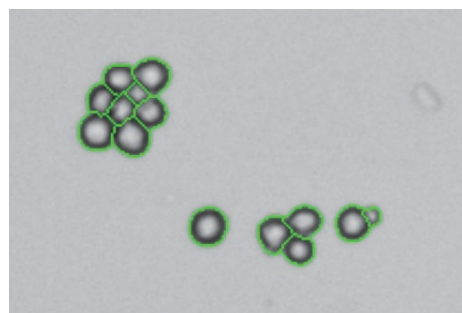
정확한 Cell Counting

자체 개발 알고리즘으로 clustered cell 인식
Live/Dead cell 자동 판별
RBC counting 지원
높은 정확도와 CV<5%의 높은 재현성



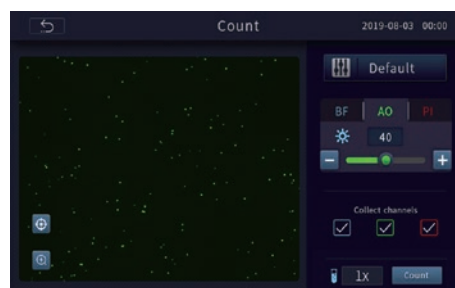
빠른 Workflow

Autofocus 및 Auto Exposure
BF모드에서 slide 삽입 후 자동 분석
9초 이내 결과 확인 (bright field)
최대 1,000개 데이터 저장



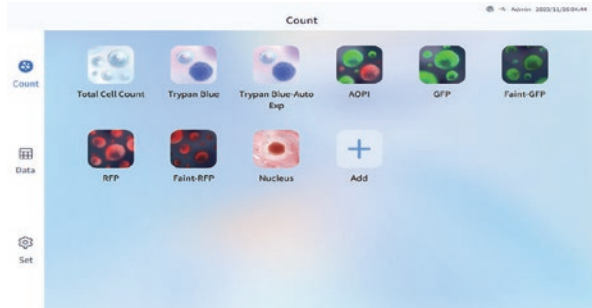
Fluorescence Analysis for C100 (Optional)

BF/FL 이미지 동시 확인
Removable modular FL Cube 적용 (optional)
GFP, RFP, DAPI 등 다양한 형광 분석 지원

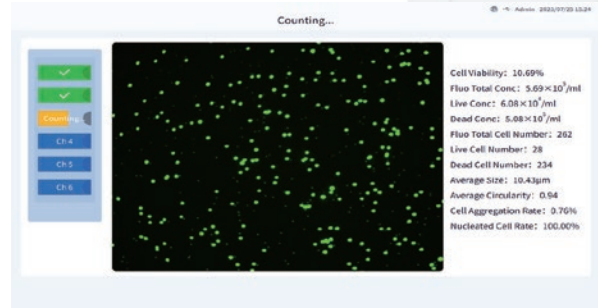


Advanced Fluorescence Cell Analysis

C200FL은 bright field 및 fluorescence 이미징을 기반으로 세포 수, viability, aggregation rate, 형광 발현 등을 분석하는 fluorescence cell analysis system입니다.



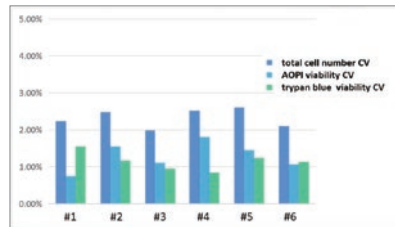
App 스타일 화면, preset parameter 기반 one-click counting



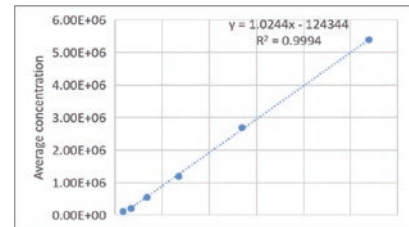
6-channel counting slide 기반 자동 분석 및 결과 확인

빠르고 효율적인 분석

포커스 조절 없이 깨끗한 이미지
 5초 이내 cell counting (bright field)
 Intelligent cell recognition
 6-channel counting slide 지원
 연속 자동 분석 (1-3 zones)



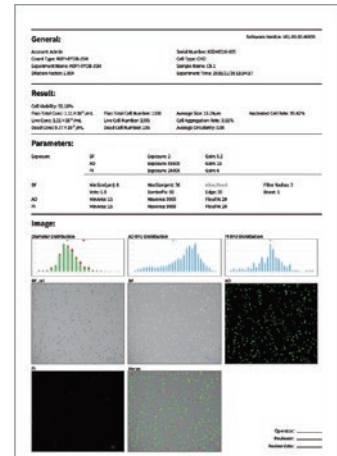
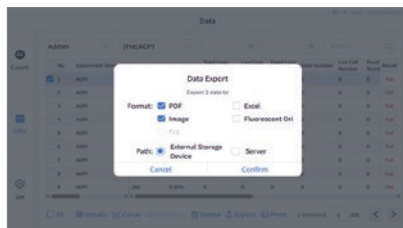
총 세포 수 및 viability 측정 CV < 5%



CHO cell 계수 결과의 높은 선형성

데이터 기반 연구 지원

Cell growth curve 생성
 상세 분석 report 자동 생성
 500 GB의 저장공간, 다양한 형식의 data export



FDA 21 CFR Part 11 대응

사용자 계정 관리
 권한 설정
 Electronic Record 지원
 기록 추적 및 보관

Back User Management

No.	Account	Level	Team Name	Name	Telephone	Status
1	yjh	Level 1	7	BY	789042	Activated
2	er	Level 1	sd	er	456789	Activated

Team: [Select] + Add Edit Double Delete

사용자 및 권한 관리

Electronic Records

Account	Operation Time	Operation Type	Details
A distributor	2024/12/18 11:12:25	Log Out	Count type: [P]el NTP
www.wwwww	2024/12/18 10:12:32	Count-Run	Cell type: 293 Experiment Name: AAAAAAAAAA Sample Name: BBBBBBBBBB Sample ID: 2021122111225

Electronic Record 지원

Technical Specifications

	C100-SE	C100	C200FL
Fluorescence parameters	N/A	Optional FL Cubes 01 / 02 / 03	AO/GFP: Ex: 480/30 nm, Em: 535/40 nm PI/RFP: Ex: 525/30 nm, Em: 590 nm LP
Amplification Factor	2.5×, 5.0 MP		5×, 5.0 MP
Focus Method	Manual & Auto		No focusing required
Cell Size Range	4 - 60 μm (Optimal: 7 - 60 μm)		1 - 200 μm (Optimal: 5-30 μm)
Cell Concentration Range	10 ⁴ - 10 ⁷ cells/mL		1 × 10 ⁴ - 3 × 10 ⁷ cells/mL
Counting Area	2.15 × 1.62 mm		1.72 × 1.3 mm (Optional 1-3 zones)
Cell Counting Time	Less than 9 sec (bright field)		5 sec/sample (bright field)
Storage	1,000 counting reports and images		500 GB
Weight	~3.0 kg	~3.2 kg	~11 kg
Dimensions (W × D × H)	212 × 165 × 264 mm		310 × 262 × 420 mm

Feature Comparison

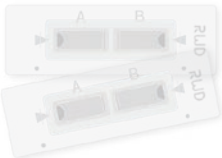
	C100-SE	C100	C200FL
Bright Field	●	●	●
Fluorescence	-	Optional	●
Autofocus	●	●	●
Live/Dead Analysis	●	●	●
FDA 21 CFR Part 11	-	-	●
Counting Slide	DS-50	DS-50	DS-66

FL Cube Options | C100 전용 옵션으로, 분석 대상 dye에 맞는 FL Cube를 선택할 수 있습니다.

	Excitation	Emission	General Dyes
● FL Cube-01	375/28 nm	460/50 nm	DAPI, Hoechst, BFP
● FL Cube-02	480/30 nm	535/40 nm	Acridine Orange (AO), Calcein-AM, Alexa Fluor 488, SYBR Green, FITC, GFP
● FL Cube-03	540/25 nm	620/60 nm	Propidium Iodide (PI), DsRed, dTomato, RFP



Consumables

	DS-50	DS-66
		
Compatible Device	C100-SE / C100	C200FL
Chamber Volume	10 μL	10 μL / 20 μL
Number of Chambers	2	6
Dimensions of Slide	75 × 25 × 1.7 mm	75 × 25 × 2.1 mm
Dimensions of Chamber	16.6 × 6 × 0.1 mm	16.2 × 6.2 × 0.1 mm (10 μL) 16.2 × 6.2 × 0.2 mm (20 μL)
Package	50 pcs/box	50 pcs/box