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DUTSCHER GROUP

AUTOMATED CELL COUNTER

RWD Life Science

C100-SE (BF)
C100 (BF AND FL WITH FL MODULE)

- RWD Automated Cell Counter adopts Trypan Blue staining method, intelligent image recognition and advanced optical imaging technology to achieve accurate and automatic cell analysis.
- The algorithm can identify both live and dead cells within 9 seconds.
- Information such as cell counts, viability, diameter can be obtained by just one-click.
- With fluorescence cube, C100 can display images in BF and FL channels simultaneously and clearly present cell counts and cell morphology.
- It is an optimal device for cell analysis in cell therapy, biopharmaceutical, immunology and vaccine development, tumor research, stem cell and metabolism research.



C100-SE (BF)



C100 (BF OR FL WITH FL MODULE)

High accuracy

- The self-developed algorithm can identify clustered cells.
- Intelligently cell marks contribute to precise cell recognition.
- RBC counting.
- Low autofluorescence and high-transmit filter enable clear imaging.

Time-saving

- User-friendly UI and built-in user guide interfaces ensure easy operation.
- Up to 1000 counting results can be stored. No need another device for extra storage.

User-friendly

- Autofocus and auto exposure.
- Powerful computing capability ensures high efficiency.

Compact design

- Compact size fits into different placements.
- Removable modular FL cubes allow easy switches among various scenes.

Parameters	Description	
Model	C100-SE	C100
Optional fluorescence application	N/A	● (Ex :375/28nm ; Em:460/50nm)
		● (Ex :480/30nm ; Em:535/40nm)
		● (Ex :540/25nm ; Em:620/60nm)
Amplification Factor	2.5×, 5.0 Megapixel	
Focus Method	Manual focusing & Autofocusing	
Counting Area	2.15 mm×1.62 mm	
Cell Type	Cell lines, stem cells, primary cells, pollens, beer yeast	
Cell Size Range	4-60 μm (Optimal: 7-60 μm)	
Cell Concentration Range	10^4-10^7 cells/mL	
Cell counting Time	Less than 9s	
Historical Data Storage	1000 counting reports and images at most	
Languages	Chinese and English	
Dimensions	212 mm(W)* 264 mm(H)* 165 mm (D)	
Weight	3.0kg	3.2kg

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

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AUTOMATED CELL COUNTER

C200-FL





RWD
RWD Life Science

Features C-100 AUTOMATED CELL COUNTER ONLY

More precise, more stable

- No need to focusing and imaging is clearer
- Preset parameters can be used directly without manual operation
- Intelligently cell marks for precise cell recognition
- Low autofluorescence and high-transmit filter enable clear imaging

Smarter and more efficient

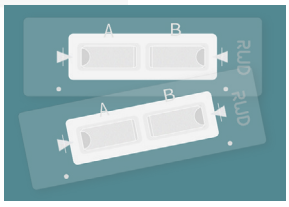
- APP style program, one click counting
- 6-channel counting slide, automatic sampling
- Optional 1-3 counting area, 5s/sample
- 500G storage, one click export multiple formats of data

Safer and easier to use

- FDA 21 CFR Part 11 compliance
- Multiple built-in help interfaces, easy to use
- Compact size fits into different placements

Designation	C100-SE	C100 041-411867 C-100 automated cell counter only		
		PACK C100-1	PACK C100-2	PACK C100-3
Part no.	041-411868	041-411983	041-411984	041-411985
FL Cube	Only Brightfield	FL Cube-01	FL Cube-02	FL Cube-03
Excitation	N/A	375/28 nm	480/30 nm	540/25 nm
Emission	N/A	460/50 nm	535/40 nm	620/60 nm
General Dyes	N/A	DAPI, Hoechst, BFP	AcridineOrange(AO), Calcein-AM, Alexa Fluor 488, SYBR Green, FITC, GFP	Propodium Iodide (PI), DsRed, dTomato, RFP
Slides Part no.	041-411872	Disposable Slide for C100		
	041-413885	Reusable Slide for C100 Serie Cell Counter		

Designation	C200FL	
Part no.	041-413524	
FL Cube	FL Cube-02	FL Cube-03
Excitation	480/30 nm	540/25 nm
Emission	535/40 nm	620/60 nm
General Dyes	AcridineOrange(AO), Calcein-AM, Alexa Fluor 488, SYBR Green, FITC, GFP	Propodium Iodide (PI), DsRed, dTomato, RFP
Slides Part no.	041-413525 6-channel counting slide, 20 µL /sample for C200FL	



041-411872



041-413885



041-413525



Deborah FEINTUCH
Life Sciences Specialist CHR
dfeintuch@milian.com
Tel. +41 79 526 13 29

BOOK A FREE DEMO !
CONTACT YOUR
LIFE SCIENCES SPECIALIST !



Matthias GROSS
Life Sciences Specialist CHD
mgross@milian.com
Tel. +41 79 505 56 15

milian®
DUTSCHER GROUP

Chemin du Champ-des-Filles n°4A
Campus Spark
CH-1228 PLAN-LES-OUATES
Tél. +41 (0) 22 884 16 00
www.milian.com

Swiss-German Office
Oberebenestrasse 61
CH-5620 Bremgarten (AG)
Tel. : +41 (0)56 610 49 27