

cellenONE®

SINGLE CELL ISOLATION AND NANOLITER DISPENSING SOLUTION



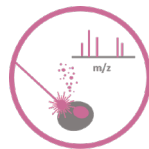
scRNA-Seq



scATAC-Seq



scWGS



scMS



mAb



Stem Cells



CRISPR/CAS9

LOW VOLUME, HIGH VIABILITY & PRECISION SINGLE CELL ISOLATION
FOR SEQUENCING... FOR CELL LINE DEVELOPMENT... AND MUCH MORE

	cellenONE® X1	cellenONE® F1.1	cellenONE® F1.4
Product Number	F00C	F00CF1	F00CF4
Single Cell Isolation Technology	IBSCI™ Image-Based Single Cell Isolation	IBSCI™ and FIBSCI™ Both Non-Fluorescent and Fluorescent Image-Based Single Cell Isolation	
cellenONE Control Module	Monitor cells and particles: its position and geometrical properties inside the PDC Isolation of most cells with diameters ranging from 5 to 60µm		
cellenTILES	Organise and review images of isolated cell for QC purpose		
cellenREPORT	Generate a comprehensive report containing all isolation data		
High Resolution Optical based Single Cell Isolation Method	6.4M pixels CMOS camera (3088*2076 pixels)	3.2M pixels CMOS camera (2056*1542 pixels)	
Fluorescence detection	✘	✓	✓
Visualisation of fluorescently labelled particles		1 color FITC and GFP based markers (ex.490nm; em.515nm)	4 colors DAPI (ex.375nm; em. 432nm) FITC (ex.490nm; em.515nm) Cy3 (ex.565nm; em.580nm) Cy5 (ex. 625nm; em.670nm)
Benefits	Heterogeneous samples and unlabelled particles	Exclusion of dead cells Selection of best expressers	Sorting sub-populations Rare cells isolation
Dispensing technology	sciDROP PICO - Piezo acoustic drop-on-demand		
Dispense volume	50-800 pL per drop		
Dispense channels	Up to 2		
Drives	Linear for X/Y & Spindle for Z		
Resolution	1 µm		
Accuracy (Absolute Position)	< 10 µm		
Precision (Repeat Position)	< 3 µm		
Max. speed	100 cm/sec		
Spottable area (mm)	x=180 ; y=120 (2 microtiter plates)		
Dimensions LxWxH (mm)	650 x 700 x 1590 -> including monitor's arm L = 1300 -> with hood open H = 2050		
Weight	205 kg	210 kg	
Voltage	110 V; 220 V		

Product Nr.	OPTIONS
F0CX11-2101	Cooling/Heating Unit
F0CX11-2110	Humidity Control
F0CX11-1040	Dew Point Control
F0CX11-2120	Head Camera incl. Coaxial Illumination. Resolution: 1280 x 1024 pxl at 2.65 µm/pxl.
F0CX11-1251	Scan Spot Area
F0CX11-1230	Find Target Reference Points
F00C-2072 F00C-2071 F00C-2070	Custom Target Holder for <ul style="list-style-type: none"> • 384 well PCR plate • Microscope slides • ICELL8® Chip