



The Xdrop[®] Sort instrument

Xdrop Sort supports high-resolution analyses of cells and genomes. It uses microfluidics-based technology to encapsulate living mammalian or microbial cells, organelles, long DNA fragments, or other biological material in double- or single-emulsion droplets (Figure 1).



Figure. Xdrop Sort instrument – front and back panel.

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|---|------------------|--|
| ① | Touch screen | - To interface with the instrument's software |
| ② | Power Button | - To activate the instrument |
| ③ | LED indicators | - To indicate the instrument activity status |
| ④ | Cartridge Drawer | - To load cartridges |
| ⑤ | USB Port | - To update software and collect data |
| ⑥ | Exhaust Fan | - To cool down instrument |
| ⑦ | Product Sticker | - With the instrument serial number |
| ⑧ | Power Connector | - To connect the power cord |
| ⑨ | On/Off Switch | - To turn the instrument on and off |
| ⑩ | Safety warning | - To indicate a potential laser radiation hazard |

Intended use

Xdrop Sort and consumables are intended for research use purposes only and shall not be used for any other purposes. Xdrop Sort is intended for use by trained laboratory personnel in a clean laboratory environment for biological sample preparation (e.g., DNA preparation, cell preparation) using droplet microfluidic technology.

Components included in shipping box

Name	Item no.	Quantity	Notes
Xdrop	IN00110-EU	1 instrument	
Power Cable		1 power cable	Country-specific power cable
USB flash drive		1 USB key	Containing operating software

Instrument specifications

Technical specifications

Model	Xdrop Sort
Dimensions (w x h x d)	30.5 x 36.4 x 65.4 cm 12.0 x 14.3 x 25.7 in
Weight	23.5 kg / 51.8 lbs
USB port	1x USB 2.0 port (for data transfer only)
Monitor	15.6" LCD touchscreen

Sorting specifications

Excitation	488 nm
Emission	520 nm

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Operating specifications

Input voltage	110-240 V, 50/60 Hz
Max current	at 230 VAC: 650 mA at 115 VAC: 1.3 A
Operating temperature	20 - 25°C
Max operating altitude	2000 m
Relative humidity	(RH) 0 - 75%.

Regulatory compliance

Overvoltage category	Class II
Pollution degree of environment	2
Degree of ingress protection (IEC60529)	IP20, Type 1 (UL50E)
Electromagnetic compatibility (EMC)	IEC 61326-1
Certificates	CE, UL, FCC Class A

