

SITE PREPARATION FOR LEVICELL 1.0 SYSTEM

Congratulations on the purchase of your new LeviCell® 1.0 System! We are excited to get you started, and want to ensure a smooth installation. Please reference this document to help prepare your site for the installation of your LeviCell 1.0 system.

SITE REQUIREMENTS

Loading dock and access

- The LeviCell 1.0 system arrives with all components packed in a cardboard package on a wooden pallet. Generally, delivery will be made to your loading dock. Please contact LevitasBio if you require different delivery arrangements.
- Packed dimensions including pallet are 785 mm W x 590 mm D x 990 mm H (31 x 23.25 x 39 in), and the gross weight is approximately 54 kg (120 pounds). A hand-operated pallet truck is recommended.
- If you are going to move the outer box to your lab before unpacking, verify that all doors are wide enough to admit the box on the pallet truck.
- The instrument itself weighs 15 kg (34 pounds); this may require a 2-person lift from the shipping container onto the bench.

Bench space. The minimum bench space required for installation is:

- 600 mm (24") deep
- 1200 mm (48") wide
- And 450 mm (18") vertical clearance above the bench.

Power. You will need access to 3 standard power outlets (or an outlet strip).

- Power drawn is low, so no special circuits are required
- Grounded outlets are required (3-pin, or CEE 7/5 style)
- All standard mains input voltages are accepted (100 - 240 VAC, 50-60 Hz)

Network (optional)

- The control PC for the LeviCell 1.0 instrument has integrated Wi-Fi and needs no special security. A secure network is recommended. If preferred, there is an ethernet port

PRE-INSTALLATION QUESTIONNAIRE

Installation Item	Site Status
Are the required consumables ordered? LeviCell 1.0 Starter Kit OR LeviCell S2.3 Cartridges Levitation Agent LeviCell 1.0 Installation and Calibration Kit	
Is there a loading dock access, or lift-gate required?	
Are there any other special requests?	

LEVICELL 1.0 INSTRUMENT SPECIFICATIONS

Specification	Values
Number of sample inputs	1
Number of output fractions	2
Levitation magnets	Rare earth permanent magnets
Separation flow rate	100 μ L/min
Imaging modes	Brightfield (transmitted illumination) Two fluorescence channels: Ex 470 nm, Em 524 nm (e.g. Calcein, FITC) Ex 560 nm, Em 628 nm (e.g. PI, Cy 3.5)
Imaging resolution	Approximately 2 microns
Operational	
DC power input to instrument (from supplied AC-DC adaptor)	24 V, maximum current 5.1 A
Input voltage to DC power adaptor	100-240 VAC, universal
AC supply current drawn	1.4A at mains voltage 115VAC; 0.7A at mains voltage 230VAC (Standard wall circuit)
Main enclosure dimensions	475 mm W x 340 mm D x 240 mm H (19" x 13" x 9")
Instrument weight	15.3 kg (33.6 pounds)
Control PC operating system	Windows 10, Professional, 64-bit
Over-voltage protection	105 ~ 135% rated output voltage. Protection type: shut down o/p voltage, re-power on to recover
Ingress protection rating	Not rated (no protection claimed)

Environmental	
Operating ambient temperature	15°C – 27°C
Operating relative humidity	20% RH – 80% RH ambient, non-condensing
Pollution degree of the intended environment	Pollution Degree 2 (normal indoor laboratory environment)
Altitude	Sea level to 1,700 m (5,500 feet)
For indoor use only Click “Run Anyway” button.	Not designed for outdoor use. Not designed for use in wet locations.
Shipping environment	5°C to 50°C, RH 5% - 99%, non-condensing

LEGAL

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