

# SITE PREPARATION FOR LEVICELL SYSTEM

Congratulations on the purchase of your new LeviCell™ 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 system.

## SITE REQUIREMENTS

### Loading dock and access

- The LeviCell 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 890 mm W x 590 mm D x 990 mm H (35 x 23 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 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
Loading dock access, or lift-gate required?	
Any special delivery requirements?	
Power outlet style (existing in your lab, e.g., USA 3-pin, BS 546, CEE 7/5)	
Any special requests?	

## LEVICELL INSTRUMENT SPECIFICATIONS

Specification	Values
<b>Number of sample inputs</b>	1
<b>Number of output fractions</b>	2
<b>Levitation magnets</b>	Rare earth permanent magnets
<b>Separation flow rate</b>	100 $\mu$ L/min
<b>Imaging modes</b>	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)
<b>Imaging resolution</b>	Approximately 2 microns
<b>Operational</b>	
<b>DC power input to instrument (from supplied AC-DC adaptor)</b>	24 V, maximum current 5.1 A
<b>Input voltage to DC power adaptor</b>	100-240 VAC, universal
<b>AC supply current drawn</b>	1.4A at mains voltage 115VAC; 0.7A at mains voltage 230VAC (Standard wall circuit)
<b>Main enclosure dimensions</b>	475 mm W x 340 mm D x 240 mm H (19" x 13" x 9")
<b>Instrument weight</b>	15.3 kg (33.6 pounds)
<b>Control PC operating system</b>	Windows 10, Professional, 64-bit
<b>Over-voltage protection</b>	105 ~ 135% rated output voltage. Protection type: shut down o/p voltage, re-power on to recover
<b>Ingress protection rating</b>	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	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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The information contained in this document is subject to change without notice.

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