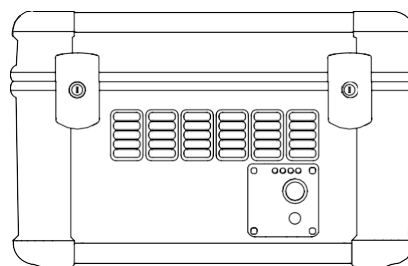


TECHNICAL DATASHEET

Cellbox Ground CD



DIMENSION + WEIGHT	
Incubation chamber (L x W x H)	155 mm x 200 mm x 135 mm (6.10" x 7.87" x 5.31")
Overall exterior (L x W x H)	535 mm x 380 mm x 340 mm (21.0" x 15.0" x 13.4")
Cellbox exterior case	ABS plastic
Net weight	18 kg (40.0 lbs)
Cellbox carton overpack (L x W x H)	670 mm x 490 mm x 470 mm (26.4" x 19.3" x 18.5")
Packed weight	24 kg (53.0 lbs)

ELECTRICAL DATA	
Electrical supply of the power adapter	100-240 V AC, 50/60 Hz; 1.4 A max
Electrical supply of the Cellbox	20V DC; 6.0 A; 120 W max
Battery specifications	4 x standard battery packs (4S2P), 14.4 V, 6900 mAh/99.4 Wh, rechargeable with supplied poweradapter
Main power plug	International plugs EU, CH, UK, US, JP, AU
DC plug	2.5mm x 5.5mm x 11mm, C+, tuning fork type
Mains voltage range	85 to 264V AC
Mains insulation rating	Residual current operated circuit-breaker type A required

APPLICATION + PERFORMANCE DATA

Application	Portable CO ₂ incubator for the temporary storage and transport of live/fresh cells and tissue cultures. - Research Use Only
Ambient temperature limitation	The ambient temperature needs to be 5°C lower than the set temperature. The maximum ambient temperature for a 38°C set temperature would therefore be 33°C
Controlled inner temperature range	28°C - 38°C; @0.1°C increments
Controlled inner temperature accuracy	± 0.5°C
Controlled inner temperature uniformity	± 0.1°C
Controlled temperature holding reference (@23°C ambient temperature)	Maintains 37°C incubation temperature for 24 hours
Controlled CO ₂ concentration range	0% - 18%; @0.1% increments
Controlled CO ₂ concentration accuracy	± 0.5 %
CO ₂ source	Disposable CO ₂ cartridge
CO ₂ holding reference	Disposable CO ₂ cartridge maintains 5% CO ₂ environment for 72 hours

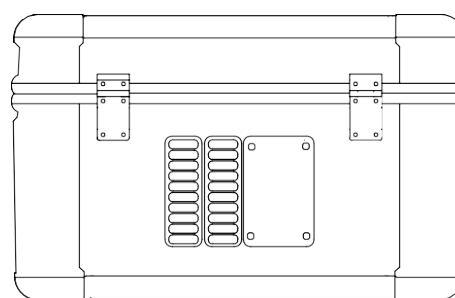
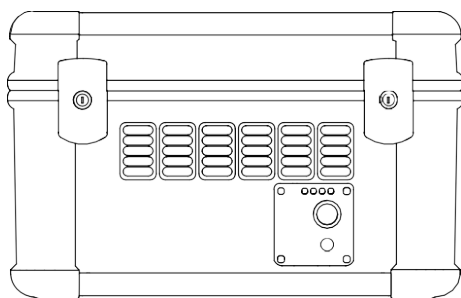
TRANSPORT + PACKAGING

Intended for transport by	Road, Rail, Sea
Logistical compliances	ISTA7D Summer, ISTA7D Winter
Transport classification	UN3481, lithium-ion batteries contained in equipment
Transport packing instruction	An overpack is recommended in accordance with the regulations for ground transport (ADR)
Transport label	UN3481 lithium battery label; relevant label if loaded with compliant biological material; CO ₂ as conditioner label if loaded with CO ₂ cartridge
Packaging instructions	PI967 Section II

ENVIRONMENTAL CONDITIONS

Air pressure range	70 kPa-105 kPa
Environmental temperature range	0°C to 40°C
Recommended operation temperature	20°C to 30°C
Relative humidity	max. 80% (no condensation)
Pollution Degree	2

CONTROLLER + CONNECTIVITY DATA	
Power switch	External
Battery status indicator	LED lights above power switch & via LCD digital display
Touchscreen interface	LCD digital display
Data indication	Real-time display of log time, actual internal temperature, set internal temperature, actual internal CO ₂ concentration, set CO ₂ concentration, Remaining CO ₂ level in cartridge, battery level, UTC and local time
Data logging	Real-time display of log time, actual internal temperature, set internal temperature, actual internal CO ₂ concentration, set CO ₂ concentration, Remaining CO ₂ level in cartridge, battery level, UTC time, Energy Saving Mode Status
Connectivity	Bluetooth BLE 4.2 with manual on/off mode
Frequency band	2.4GHz (2400 - 2483,5 MHz)
Transmission power	max. +4 dBm
Cellbox App	via iOS/Android App for csv-file data export
Controller type	Digital microprocessor



For further information
please refer to
the Technical Manual.

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