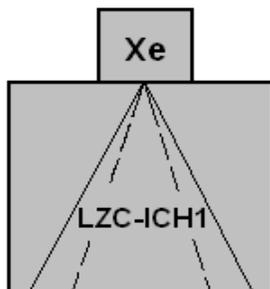

Luzchem Photoreactor Model LZC-ICH1

Luzchem's LZC-ICH1 photoreactor is fully compliant with ICH guidelines for drug photostability testing under ICH option-1 exposure. This photoreactor utilizes a high performance, air-cooled ceramic xenon lamp. The unit is normally supplied with a full-UV, focused lamp, but can accommodate other lamp options. Included with the photoreactor are a shutter, UV protecting goggles, a filter adapter, a digital timer and all filters required for ICH compliance.



Configuration:



The LZC-ICH1 photoreactor utilizes a Xenon lamp placed at the top of the photoreactor chamber.

Unit Specifications:

Dimensions:	<i>External:</i> 18" wide, 13.75" deep and 26" high (46 x 35 x 66 cm) <i>Internal:</i> 12" wide, 12" deep and 8.5" high (30 x 30 x 22 cm)
Weight:	31 lbs. / 14 kg
Beam diameter:	At base: ~ 6.5" without diffuser, 12" with diffuser
Power Rating:	110 or 220 VAC, 50/60 Hz cycle, 6 Amps Ships with North American-style power cable
Housing Material:	<i>External:</i> Stainless Steel <i>Internal (chamber):</i> Al 5052-H32 (aluminum alloy)
Ambient Temperature:	Must be between 10 °C and 35 °C
Chamber Temperature:	Maintained to 3-4 °C above room temperature
Humidity:	Must be between 0% and 95% (non-condensing)

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Lamps: The unit uses a 300W Cermax Xenon lamp. A dimmer switch is included so that power output can be optimized for individual needs. The supplied full-UV lamp irradiates from 200 nm into the near IR region and requires a safe exhaust system. Ozone free lamps eliminate wavelengths below 320 nm and can be vented into the laboratory atmosphere.

See manufacturer's specification sheet for detailed information.

Options Included:

Option	Specifications
Shutter	<ul style="list-style-type: none">• Material: reflective aluminum• Manual operation• Automatic operation with use of the digital timer
Digital Countdown Timer	<ul style="list-style-type: none">• Factory preset• Allows unattended exposure times from 1 min to 99 hrs, 99 min
ICH Compliance	<ul style="list-style-type: none">• Certified ICH-Option 1 compliant• Filters required for compliance are provided
Diffuser	<ul style="list-style-type: none">• Material: BK7 glass, sandblasted• Dimensions: 2" diameter, 1/16" thick (fits in filter holder)
Gas Inlet	<ul style="list-style-type: none">• Rear mounted bulkhead gas connector• Only recommended for non-flammable, non-toxic gases• Gas should not dissipate in the chamber, should be used with environmental chamber only.
Hour Meter	<ul style="list-style-type: none">• Built-in to the unit• Keeps track of the number of hours the unit has been in operation
Safe Exhaust	<ul style="list-style-type: none">• Material: galvanized aluminum• Exhaust tube provided: 4" diameter, max length: ~ 8'• Built-in fan: 3100 RPM, Airflow: 110 CFM
Safety Interlock	<ul style="list-style-type: none">• Turns off lamps when door is open• Indicator LED's signal if the door is open and if power is running to the lamps
UV Protecting Goggles	<ul style="list-style-type: none">• Yellow safety goggles, with 400 nm cut-off

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