STABILITY | ICH Q1A(R2) | ICH Q1B | FDA 21 CFR PART 11

EIC

PROline

High-end stability chambers

For stability studies in pharmaceuticals, cosmetics, food and materials, and shelf-life testing. 18 volumes from 190 to 3,498 L, with precise temperature and humidity control, and options for ICH Q1B and FDA 21 CFR Part 11.


PHARMA


COSMETICS


FOOD


PHOTOSTABILITY


EIC 853 with perforated rear wall

STANDARD TEMPERATURE	STANDARD HUMIDITY	STABILITY AT +27 °C	VOLUMES	NATURAL REFRIGERANT
+4 to +60 °C	**30-90% RH**	**±0.3 °C**	**18 models**	**R-290**
Optional down to -30 °C and up to +70/+80 °C	Extendable down to 10% and up to 95%	±0.5 °C at +40 °C; humidity ±3% RH	From 190 to 3,498 L gross	GWP 3, free of CFC and HCFC

Climate

Temperature	+4 to +60 °C as standard
Extended range	Down to -30 °C, up to +70 °C (+80 °C in some cases)
Stability	±0.3 °C at +27 °C · ±0.5 °C at +40 °C
Uniformity	±1 °C at +27 °C
Humidity (RH)	30-90% RH, ±3% RH, from +20 to +45 °C
Extended humidity	From 10% (with rotary dehumidifier) to 95% RH; 98% in some cases
Humidifier	Ultrasonic, fine droplets, without adding heat
Heating	Dual: hot gas bypass and stainless steel heaters
Cooling	R-290, hermetic compressor on shock absorbers

Stability studies

Long term	25 °C ± 2 °C / 60% RH ± 5% (or 30 °C / 65% RH)
Intermediate	30 °C ± 2 °C / 65% RH ± 5%
Accelerated	40 °C ± 2 °C / 75% RH ± 5%
Monitoring	Continuous temperature and humidity recording
Photostability	Optional ICH Q1B kit: cool white and near-UV light
21 CFR Part 11	Optional package with Data Reviewer and IQ/OQ/PQ

Airflow and control

EICH airflow	Horizontal through both perforated side walls
EICV airflow	Horizontal through the perforated rear wall
Air speed	Adjustable from the screen
Controller	Nanodac series 4300, PID, 3.4" TFT display
Programs	Fixed or variable, for temperature and humidity
Data logging	Built-in data logger, on-screen graphs and USB
Connectivity	RS485/MODBUS and potential-free contact
Alarms	Visual and audible; safety thermostat
Safety	3 password levels and 24 h battery

Construction

Exterior	Epoxy-coated steel
Interior	AISI 304 stainless steel, rounded corners and drain
Door	Solid, with lock; glass door optional
Insulation	60 mm CFC-free injected polyurethane
Shelves	Perforated stainless, adjustable, up to 100 kg/m²
Cable port	One 40 mm diameter port, with plug
Power supply	230 V / 50 Hz single-phase (or 110/220 V at 60 Hz)
Ambient	+10 to +28 °C

Testing Lab Equipments, S.L. · NIF B02832483 · C/ Emilio Alzamora 27, 28914 Leganés (Madrid)
+34 918 273 484 · contact@testinglab.es · www.testinglab.es
Data for the standard version, for guidance only. Specifications may change without notice. Images are not contractual.

Models and dimensions

18 VOLUMES

MODEL	NET / GROSS VOLUME (L)	INTERIOR (mm)	EXTERIOR (mm)	SHELVES	SHELF (mm)	SURFACE (m²)
EIC 163 NEW	162 / 190	600 × 600 × 450	1,200 × 900 × 650	2	550 × 580	0.64
EIC 193	185 / 190	520 × 620 × 550	725 × 800 × 1,000	1	470 × 610	0.29
EIC 353	306 / 350	760 × 620 × 650	800 × 800 × 1,200	2	530 × 615	0.64
EIC 403	230 / 390	410 × 435 × 1,300	650 × 600 × 1,980	4	350 × 415	0.60
EIC 503	416 / 490	605 × 625 × 1,100	850 × 800 × 1,730	3	530 × 615	0.96
EIC 603	424 / 590	605 × 540 × 1,300	850 × 700 × 1,980	4	530 × 530	1.12
EIC 703	492 / 665	605 × 625 × 1,300	850 × 800 × 1,980	3	530 × 615	0.96
EIC 753	605 / 735	605 × 625 × 1,600	1,200 × 800 × 1,980	4	530 × 615	1.28
EIC 853	690 / 860	850 × 625 × 1,300	1,100 × 800 × 1,980	4	780 × 615	1.92
EIC 1203	912 / 1,180	850 × 825 × 1,300	1,100 × 1,000 × 1,980	4	780 × 815	2.56
EIC 1503	1,178 / 1,490	1,450 × 625 × 1,300	1,700 × 800 × 1,980	4+4	530 × 615	2.56
EIC 1803	1,450 / 1,850	1,450 × 625 × 1,600	2,050 × 800 × 1,980	4+4	530 × 615	2.56
EIC 1903 NEW	1,690 / 1,904	2,000 × 650 × 1,300	2,250 × 900 × 1,980	4+4+4	530 × 615	3.84
EIC 2203	1,745 / 2,190	1,450 × 925 × 1,300	1,700 × 1,100 × 1,980	4+4	530 × 915	3.84
EIC 2303 NEW	2,210 / 2,305	2,000 × 850 × 1,300	2,250 × 1,100 × 1,980	4+4+4	530 × 815	5.16
EIC 2803	2,150 / 2,798	1,450 × 925 × 1,600	2,050 × 1,100 × 1,980	4+4	530 × 915	3.84
EIC 2903	2,410 / 2,950	2,410 × 625 × 1,600	3,000 × 800 × 1,980	4+4+4	530 × 615	3.84
EIC 3503	2,880 / 3,498	1,950 × 925 × 1,600	2,550 × 1,100 × 1,980	4+4	780 × 915	5.68

Dimensions in mm (width × depth × height; shelf, width × depth). Net / gross volume in litres. Surface: total shelf area. Each model is built with side-wall airflow (EICH) or rear-wall airflow (EICV), and with or without humidity control (HR).

HOW TO READ THE MODEL CODE

EIC	H	S	853	HR
Climatic chamber series	Side-wall (H) or rear-wall (V) airflow	With screen	Volume, see table	With humidity control

Options and accessories

CLIMATE AND WATER

- Down to -30 °C and up to +70/+80 °C
- Humidity from 10 to 95% RH
- Reverse osmosis with independent pump
- Water loading/unloading pump
- External 20 L tank with pump
- Water-cooled condensing unit

CONTROL AND RECORDING

- 7" Series 4500 touchscreen, depending on model
- 7-day paper chart recorder
- 48 or 72 h battery
- Additional data loggers

ALARMS AND COMMUNICATION

- 4-20 mA remote alarm output
- GSM alarm module via MODBUS
- RS485/232 remote communication
- Ethernet output with web page
- PC control software

INTERIOR AND FINISHES

- Reinforced telescopic shelves
- Internal double socket and extra ports
- 6 mm inner glass door
- Double tempered glass door
- AISI 316 or epoxy interior; AISI 304 exterior
- 4 height-adjustable wheels

FDA 21 CFR PART 11 PACKAGE

- Eurotherm Data Reviewer with Auditor function
- Electronic records with authorised access
- Audit trail and electronic signature
- IQ/OQ/PQ qualification documentation

ICH Q1B PHOTOSTABILITY KIT

- Cool white light and near UV
- 1.2 million lux·h
- Confirmatory testing, option 2
- 200 Wh/m² of near UV

The range at a glance

18 VOLUMES



EIC 163 NEW
NET / GROSS VOLUME
162 / 190 L
EXTERIOR
1,200 × 900 × 650 mm
SHELVES
2 · 0.64 m²



EIC 193
NET / GROSS VOLUME
185 / 190 L
EXTERIOR
725 × 800 × 1,000 mm
SHELVES
1 · 0.29 m²



EIC 353
NET / GROSS VOLUME
306 / 350 L
EXTERIOR
800 × 800 × 1,200 mm
SHELVES
2 · 0.64 m²



EIC 403
NET / GROSS VOLUME
230 / 390 L
EXTERIOR
650 × 600 × 1,980 mm
SHELVES
4 · 0.60 m²



EIC 503
NET / GROSS VOLUME
416 / 490 L
EXTERIOR
850 × 800 × 1,730 mm
SHELVES
3 · 0.96 m²



EIC 603
NET / GROSS VOLUME
424 / 590 L
EXTERIOR
850 × 700 × 1,980 mm
SHELVES
4 · 1.12 m²



EIC 703
NET / GROSS VOLUME
492 / 665 L
EXTERIOR
850 × 800 × 1,980 mm
SHELVES
3 · 0.96 m²



EIC 753
NET / GROSS VOLUME
605 / 735 L
EXTERIOR
1,200 × 800 × 1,980 mm
SHELVES
4 · 1.28 m²



EIC 853
NET / GROSS VOLUME
690 / 860 L
EXTERIOR
1,100 × 800 × 1,980 mm
SHELVES
4 · 1.92 m²



EIC 1203
NET / GROSS VOLUME
912 / 1,180 L
EXTERIOR
1,100 × 1,000 × 1,980 mm
SHELVES
4 · 2.56 m²



EIC 1503
NET / GROSS VOLUME
1,178 / 1,490 L
EXTERIOR
1,700 × 800 × 1,980 mm
SHELVES
4+4 · 2.56 m²



EIC 1803
NET / GROSS VOLUME
1,450 / 1,850 L
EXTERIOR
2,050 × 800 × 1,980 mm
SHELVES
4+4 · 2.56 m²



EIC 1903 NEW
NET / GROSS VOLUME
1,690 / 1,904 L
EXTERIOR
2,250 × 900 × 1,980 mm
SHELVES
4+4+4 · 3.84 m²



EIC 2203
NET / GROSS VOLUME
1,745 / 2,190 L
EXTERIOR
1,700 × 1,100 × 1,980 mm
SHELVES
4+4 · 3.84 m²



EIC 2303 NEW
NET / GROSS VOLUME
2,210 / 2,305 L
EXTERIOR
2,250 × 1,100 × 1,980 mm
SHELVES
4+4+4 · 5.16 m²



EIC 2803
NET / GROSS VOLUME
2,150 / 2,798 L
EXTERIOR
2,050 × 1,100 × 1,980 mm
SHELVES
4+4 · 3.84 m²



EIC 2903
NET / GROSS VOLUME
2,410 / 2,950 L
EXTERIOR
3,000 × 800 × 1,980 mm
SHELVES
4+4+4 · 3.84 m²



EIC 3503
NET / GROSS VOLUME
2,880 / 3,498 L
EXTERIOR
2,550 × 1,100 × 1,980 mm
SHELVES
4+4 · 5.68 m²

Images of the standard version, for guidance only. Door type, airflow and finishes depend on the configuration.

Which EIC does your study need?

Tell us which conditions you will test, how many samples you have and whether you work in a regulated environment. We will propose the model and configuration.

contact@testinglab.es · +34 918 273 484 · www.testinglab.es

ONLINE DATASHEET