SHELDON
MANUFACTURING.INC

BACTROX ©

SHEL LAB®

HYPOXIA CHAMBER

THE BACTROX ALLOWS FOR MICROAEROPHILIC BACTERIOLOGY AND HYPOXIC CELL CULTURE WORK IN DESIRED OXYGEN CONDITIONS IN MANY CULTURING PROCESSES.

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WHAT MAKES OUR COMPACT HYPOXIA CHAMBER BETTER?

Our Bactrox offers precise oxygen control ranging from 1% to 20% for microaerophilic bacteriology and hypoxic tissue or cell culture applications. With the additional capability of controlling carbon dioxide from 1% to 20%. Bactrox permits oxygen and carbon dioxide control in increments of 1/10th of a percent. Unlike a tri-gas incubator, the Bactrox allows for microaerophilic bacteriology and hypoxic tissue or cell culture work to be performed in desired oxygen conditions throughout all culturing processes. Our BACTROX enable researchers to analyze changes in gene expression, protein synthesis, cellular metabolism, and signaling pathways to decipher how cells and tissues respond to hypoxia.

Key features of our BACTROX Hypoxia Chamber:

- Ultra-Bright LED Examination Lights
- Stainless Steel Construction for Long Term Durability
- Independent Gas Controls
- RS232 Data Collection
- Condensation Control – Maintains Low Humidity
- Immediate Access to Chamber Via Sleeves
- Standard Microscope Adapter Accessories
- PC Calibration of Oxygen Sensor
- 24-Month Limited Warranty
- Advanced Atmospheric PID Controller:
- Highly Accurate Zirconium Dioxide Oxygen
- Sensor, CO2 Control & Logging, O2 Control & Logging, Uses Ambient Air Pump Instead of O2 Tank, Uses Standard Nitrogen & CO2 Tanks
- Independent Incubator (5°C above ambient to 70°C)
- Temperature Control & Logging
- 300 Plate Capacity
- Ultra-Fast Extra Large Pass Box
- Vacuum-less Pass Box, Complete Cycle Time of 45 Seconds, 90 Plate Capacity
- Vacuum-less Sleeve Entry:
- Immediate Entry into Chamber, Foot Pedal Vacuum System Eliminated

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Applications

- Hypoxic Microbiology Assays
- Clinical Microbiology
- Hypoxic Tissue Culture Research
- Microaerophilic Cell Analysis
- Gene Expression
- Protein Synthesis
- Cellular Metabolism
- Signaling Pathways Analysis

UNIT SPECIFICATIONS

BACTROX	SPECS
UNIT WEIGHT	304lbs / 138kg
SHIPPING WEIGHT	480lbs / 218kg
WORKSPACE CHAMBER VOLUME	12.5 cu.ft. /354L
WORKSPACE CHAMBER DIMENSIONS W X D X H	33.0" x 28.9" x 25.0" 838 x 734 x 635 mm
EXTERIOR DIMENSIONS W X D X H	49.0" x 32.0" x 33.5" 1245 x 813 x 851 mm
AIRLOCK DIMENSIONS W X D X DIAGONAL	16.0" x 10.0" x 11.5" 406 x 254 x 292mm
PASS BOX INTERIOR DIMENSIONS	9.0" x 10.7" x 9.0" 229 x 272 x 229mm
PASS BOX VOLUME	0.7 cu.ft. / 20 L
PASS BOX PLATE CAPACITY	78

POWER	
AC VOLTAGE	110-120
AMPERAGE / FREQUENCY	9 / 50-60Hz
O_2 CONCENTRATION	0.5-20%
CO_2 CONCENTRATION	1-20%

INCUBATOR SPECIFICATIONS	
PLATE CAPACITY	300
WORKSPACE INCUBATOR VOLUME	1.8 cu.ft. / 50.9L
WORKSPACE INCUBATOR DIMENSIONS W X D X H	27.5" x 8.5" x 13.5" 699 x 216 x 343mm
TEMPERATURE RANGE	Ambient + 5° to 70° C
TEMPERATURE UNIFORMITY	+/- 1.0° C @ 37°C

https://www.sheldonmanufacturing.com

sales@sheldonmfg.com

Manufactured in Cornelius, Oregon USA

USER MANUAL:

SHELDON MANUFACTURING, INC

FOLLOW US ON:

PN: 0740547 3/24