

Chambers for Anaerobic and Hypoxic Applications

- Further technical data and price information on request -



BACTRON900-2

- Five different models with patented, glove-free sample handling
- Comfortable, sleeve cuffs seal around the operator's arms to permit barehanded manipulation of samples inside the working chamber
- Airtight stainless steel body construction
- Acrylic glass front walls for an unobstructed view of the interior workspace
- Separated incubator and working space improve efficiency and ease of use
- Incubator temperature range: ambient + 5 °C to 70 °C (Uniformity: +/- 1.0 °C at 37 °C)
- Condensate chiller for a condensation-free working space
- Easy to handle air lock with user adjustable cycles for simple transfer of samples
- User-friendly control panel
- 1 interior electrical outlet
- Safety certifications of CAN/CSA, UL, EN, CE and TÜV

BACTRON: Chambers for Anaerobic Applications

- Automatic pressure control provides a mild overpressure
- Internal manometer for a quick, visual check of pressure level to ensure correct handling
- Palladium catalyst cartridge improves anaerobic efficiency
- Microscope assembly optionally available

BACTRON units feature:

Integrated vacuum pump
Fast airlock cycle
Fast sleeve cycle
Low gas supply alarm
Auto-sleeve cycle

Inner door lock
Auto-commissioning cycle
Integrated internal regulators
Faster "plug and play" installation
Easy-to-access, replaceable Hepa filters

BACTROX: Chamber for Hypoxic Applications

- Independent control of O₂ from 0.5 % to 20 % and CO₂ from 1.0 % to 20 %, in 0.1 % increments each
- Highly accurate zirconium dioxide oxygen sensor
- PC calibration of oxygen sensor
- Uses ambient air pump instead of O₂ tank
- Immediate access to workspace via sleeves (no vacuum system or foot pedals)
- Ultra-bright LED lights
- RS232 interface for temperature, CO₂ and O₂ control and logging

Additional side or backwall access ports and cable openings upon request

BACTRON: Chambers for Anaerobic Applications

BACTRON300-2 with workspace incubator (BAA30022-E)

- Exterior dimensions (w x d x h): 158.3 x 81.3 x 70.1 cm
- Incubator plate capacity: 300 plates
- Supplied with 7 petri dish racks



BACTRON600-2 with side storage incubator (BAA60022-E)

- Exterior dimensions (w x d x h): 224.8 x 82.6 x 70.1 cm
- Incubator plate capacity: 600 plates
- Supplied with 10 petri dish racks



BACTRON900-2 with workspace and side storage incubators (BAA90022-E)

- Exterior dimensions (w x d x h): 224.8 x 82.6 x 85.4 cm
- Each incubator with separate temperature control
- Incubator plate capacity: 900 plates
- Supplied with 10 petri dish racks



Specifications for BACTRON300-2, -600-2 and -900-2

- Units include two O₂ scrubber cartridges, anaerobic indicator strips (10 pcs.), sleeve assembly (size M), petri dish racks, AMG gas regulator kit, exterior LED light unit

	Volume	Capacity	Dimensions (w x d x h)
Workspace Chamber	453 l		105.9 x 73.4 x 63.5 cm
Workspace Incubator	51 l	300 plates	69.9 x 21.6 x 34.3 cm
Side Storage Incubator	130 l	600 plates	round (ø x h): 59.7 x 47.0 cm
Airlock	45 l	216 plates	40.6 x 25.4 x 29.2 cm

BACTRONEZ-2 basic system with workspace incubator (BAAEZ22-E)

- Exterior dimensions (w x d x h): 124.5 x 81.3 x 70.1 cm
- Incubator plate capacity: 300 plates
- Unit includes one O₂ scrubber cartridge, anaerobic indicator strips (10 pcs.), sleeve assembly (size M)
- Basic system needs to be extended by Essential Accessories Kit



	Volume	Capacity	Dimensions (w x d x h)
Workspace Chamber	354 l		83.8 x 73.4 x 63.5 cm
Workspace Incubator	51 l	300 plates	69.9 x 21.6 x 34.3 cm
Airlock	21 l	78 plates	22.9 x 27.2 x 22.9 cm

BACTRONEZ-2 Essential Accessories Kit (917-995-0009)

Exterior LED light unit, AMG gas regulator, one O₂ scrubber cartridge, 7 petri dish racks (for 2 x 11 dishes each)

BACTROX: Chamber for Hypoxic Applications

BACTROX-2 with rear wall incubator (BACTROX-2)

- Independent control of O₂ from 0.5 % to 20 % and CO₂ from 1.0 % to 20 %, in 0.1 % increments each
- Exterior dimensions (w x d x h): 124.5 x 81.3 x 85.1 cm
- Unit includes sleeve assembly (size M), 7 petri dish racks, CO₂ gas regulator kit



	Volume	Capacity	Dimensions (w x d x h)
Workspace Chamber	354 l		83.8 x 73.4 x 63.5 cm
Workspace Incubator	51 l	300 plates	69.9 x 21.6 x 34.3 cm
Airlock	21 l	78 plates	22.9 x 27.2 x 22.9 cm

Accessories for BACTRON and BACTROX

(Please indicate your model and if necessary your cuff size)

1060503	Acrylic Glass Cleaner	59 ml
1060504	Acrylic Glass Scratch Remover	59 ml
1060500	Activated Charcoal Media	900 g, Absorbs odors within the chamber
9490581	Activated Charcoal, Scrubber Fan	Removal of toxic or corrosive components
3450507	Airlock Gasket	30.5 x 30.5 cm, for BACTRON300-2/-600-2 /-900-2
3450506	Airlock Gasket	22.9 x 22.9 cm, for BACTRONEZ-2 and BACTROX-2
9740560	AMG Gas Regulator Kit	Includes gas tubing and T-adapter
9900706	Anaerobic Indicator Stripes (100 pcs.)	Indicator changes to red after contact with oxygen
9490507	Blacklight	Hand-held UV viewing lamp
1060501	Chamber Cleaner	Benzalkonium Chloride, 0.133 %, 3.8 l
9830516	Foot Switch Assembly	For BACTRONS after redesign 2017
2600567	HEPA Fan	Portable
4600501	Leak Detector	Handheld gas detector for locating AMG leaks
9730520	LED Light Unit	LED lamp sitting on top of the workspace chamber
9490506	Metal Inoculation Loop Sterilizer	Heater compatible with standard nichrome loops
9990516	Microscope Assembly	Leica S6 Spotting Stereo Microscope
9740567	Nitrogen Regulator Assembly	Delivery of constant outlet pressure of 2 - 60 psi
9990759	O ₂ Scrubber Cartridge	Includes the palladium cartridge to bind residual oxygen
9900223	Oxygen Sensor	Handheld Oxygen Meter, Measure range 0.002 - 4.2 %
5110729	Petri Dish Rack	2 x 11 petri dishes
5110730	Petri Dish Rack	2 x 13 petri dishes
9990738	Sleeve Assembly, Latex (Please indicate size: XS, S, M, or L)	For ergonomic armport doors. Includes 2 sleeves, 2 cuffs, 2 cuff rings, 4 o-rings and 2 sleeve straps
9990812	Sleeve Assembly, Latex free (Please indicate size: XS, S, M, or L)	For ergonomic armport doors. Includes 2 sleeves, 2 cuffs, 2 cuff rings, 4 o-rings and 2 sleeve straps
3600521	Sleeves, Butadyl (for sizes S, M, or L)	For ergonomic arm port doors (25,4 cm to 10,2 cm diameter)
9990775	Sleeves, Butadyl (for size XS)	For ergonomic arm port doors (25,4 cm to 8,9 cm diameter)
360050x	Sleeve Cuffs, Latex	Sizes S (x=0), M (x=1) or L (x=2)
9990774	Sleeve Cuffs, Latex	Size XS
360052x	Sleeve Cuffs, Nitrile	Sizes S (x=5), M (x=6) or L (x=7)
6000504	Sleeve Cuff O-ring for sizes S, M, L	Silicone o-ring, Ø 10,2 cm, for 6400590
6000503	Sleeve Cuff O-ring for size XS	Silicone o-ring, Ø 8,9 cm, for 6400619
6400590	Sleeve Cuff Ring, to connect Sleeve and Cuff	For sizes S, M or L, Ø 10,2 cm
6400619	Sleeve Cuff Ring, to connect Sleeve and Cuff	For size XS, Ø 8,9 cm
BACSTAND SM22	Stand for BACTRONEZ-2/-X-2	With castors, approx. 122 x 76 x 74 cm (B x T x H)
BACSTAND MD22	Stand for BACTRON300-2	With castors, 1 cabinet, approx. 156 x 76 x 74 cm (B x T x H)
BACSTAND LG22	Stand for BACTRON600-2/-900-2	With castors, 2 cabinets, approx. 225 x 76 x 74 cm (B x T x H)
9490511	Start-Up Kit for BACTRON300-2/-600-2 /-900-2	Latex cuffs (sizes S and L), Anaerobic indicator strips (10 pcs.), Activated charcoal media, Acrylic glass cleaner, Acrylic glass scratch remover, Benzalkonium chloride chamber cleaner, O-ring for sleeve cuffs, Airlock gasket
9490512	Start-Up Kit for BACTRONEZ-2/BACTROX-2	Please see 9490511.

Further accessories and replacement parts on request.

Anaerobic Culture Tubes and Bottles

- Price information on request -



Anaerobic Culture Tubes with Screw Cap (Hungate-type)

- Tubes from Borosilicate glass for anaerobic culture conditions
- The technique developed by Hungate et al. is ideal for cultivation of anaerobic microorganism with sample harvesting and feeding by piercing the butyl rubber stopper with a needle
- Hungate tubes complete consist of following items:
 - a) Screw cap with a 9 mm opening
 - b) Flange style stopper made from grey butyl rubber, 5.4 mm height
 - c) 16 x 125 mm screw thread style tube designed to maintain anaerobic conditions

Lit.: "Use of Syringe Methods for anaerobics"; J.M. Macy, J.E. Snellen and R.E. Hungate. J. Clin. Nutrition, Dec. 1972.

Cat. No.	Description	Size (mm)	Qty.
CLS-4208-01	Hungate Tubes complete, incl. butyl rubber stoppers, screw caps	16 x 125	100
Replacement Components			
CLS-4208-10	Hungate glass tubes	16 x 125	100
CLS-4208-11	Open top screw caps	Opening: 9.0	100
CLS-4208-12	Butyl rubber stoppers	Height: 5.4	100



Anaerobic Culture Tubes with Aluminium Seals (Balch-type)

- Tubes from Borosilicate glass for anaerobic culture conditions
- Especially suited for gas producing bacteria, for over-pressure between 2 - 3 bar
- Culture tubes complete consist of the following autoclavable parts:
 - a) 20 mm aluminum crimp seal with 9 mm opening, for safe and gas-tight closing
 - b) Gas-tight flange style stopper made from blue butyl rubber, 14 mm height
 - c) 18 x 150 mm crimp style tube designed to maintain anaerobic conditions
- Crimper and Decapper for aluminum seals

Cat. No.	Description	Size (mm)	Qty.
CLS-4209-01	Anaerobic tubes complete, incl. butyl stoppers and aluminum seals	18 x 150	100
Replacement components and Accessories			
CLS-4209-10	Glass tubes	18 x 150	100
CLS-4209-12	Aluminium seals, 20 mm diameter	Opening: 9.0	100
CLS-4209-14	Stoppers, blue butyl rubber	Height: 14	100
CG-4930-20	Crimper for aluminium seals with 20 mm diameter		1
CV-5706-0020	Decapper for aluminium seals with 20 mm diameter		1



Anaerobic Clear Culture and Media Bottles

- Bottles for anaerobic cultivation and media storage
- Gas-tight blue butyl rubber stoppers
- Borosilicate glass bottles
- Culture bottles without stoppers and seals
- Media bottles for anaerobic applications with stoppers and seals

Cat. No.	Description	Size (mm)	Qty.
CLS-4215-03	Anaerobic culture bottle, 500 ml, 1 opening		1
CLS-4215-05	Anaerobic culture bottle, 1000 ml, 1 opening		1
CLS-4215-01	Anaerobic culture bottle, 2000 ml, 2 openings		1
CLS-4217-01	Anaerobic media bottle, 50 ml	46 x 88	1
CLS-4217-02	Anaerobic media bottle, 100 ml	56 x 100	1
CLS-4217-03	Anaerobic media bottle, 250 ml	70 x 138	1
CLS-4217-04	Anaerobic media bottle, 500 ml	85 x 176	1
CLS-4217-05	Anaerobic media bottle, 1000 ml	100 x 215	1
CLS-4209-12	Aluminium seal, 20 mm diameter	Opening: 9.0	100
CLS-4209-14	Stoppers, blue butyl rubber	Height: 14	100