

Chambers for Anaerobic and Hypoxic Applications

- Further technical data and price information on request -



BACTRON900-2

Features:

- 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
- 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 (+/- 1 °C at 37 °C)
- Condensate chiller for a condensation-free working space
- Easy to handle air lock for simple transfer of samples
- User-friendly control panel
- 1 interior electrical outlet

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 Redesign: Improvements

Integrated vacuum pump
60 % faster airlock cycle
40 % faster 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 1 % to 20 % and CO₂ from 0 % to 20 %, in 0.1 % increments each
- Immediate access to workspace via sleeves (no vacuum system or foot pedals)
- Ultra-bright LED lights
- RS232 interface

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	40 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	36 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	40 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, 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 1 % to 20 % and CO₂ from 0 % to 20 %, in 0.1 % increments each
- Exterior dimensions (w x d x h): 124.5 x 81.3 x 82.5 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	40 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	Absorbs odors within the BACTRON anaerobic chambers
9490581	Activated Charcoal, Volatile Compounds Scrubber Fan	Holds activated charcoal media. Speeds the removal of sulfides, fatty acids and toxic or corrosive components
3450507	Airlock Gasket for BACTRON300-2/-600-2 /-900-2	30.5 x 30.5 cm
3450506	Airlock Gasket for BACTRONEZ-2/-X-2	22.9 x 22.9 cm
9740560	AMG Gas Regulator Kit	Includes gas tubing and T-adapter
9900706	Anaerobic Indicator Stripes (100 pcs.)	Indicator changes to red at O ₂ levels of 1 % or greater
9490507	Blacklight	Hand-held UV viewing lamp
1060501	Chamber Cleaner (Benzalkonium Chloride)	3.8 l
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
9990515	Microscope Adapter for BACTRONEZ-2	Designed for the Leica S6 Spotting Stereo Microscope
9990535	Microscope Adapter for BACTRON300-2	Designed for the Leica S6 Spotting Stereo Microscope
9990511	Microscope Adapter for BACTRON600-2 /-900-2	Designed for the 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
6000509	O-ring for Armport Door	Silicone o-ring for ergonomic armport doors
9900223	Oxygen Sensor	Handheld Oxygen Meter with Probe
5110729	Petri Dish Rack	2 x 11 petri dishes
5110730	Petri Dish Rack	2 x 13 petri dishes
9990738	Sleeve Assembly (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 sleeve assemblies (25,4 cm to 10,2 cm diameter)
9990775	Sleeves, Butadyl (for size XS)	For sleeve assemblies (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, size M	Silicone o-ring for 6400590
6000503	Sleeve Cuff O-ring, size S	Silicone o-ring for 6400619
6400590	Sleeve Cuff Ring	For sizes S, M or L
6400619	Sleeve Cuff Ring	For size XS
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 arm port door, Airlock gasket
9490512	Start-Up Kit for BACTRONEZ-2/-X-2	Please see 9490511.

Anaerobic Culture Tubes and Bottles

- Price information on request -




Hungate Anaerobic Culture Tubes

- For cultivation of anaerobic microorganisms
- The method developed by Hungate et al. allows anaerobic conditions and sample taking as well as nutrient import by needle.
- Anaerobic culture tubes contain 3 separate, autoclavable components:
 - a) Screw cap with 9 mm opening
 - b) Gas-tight black butyl rubber stopper
 - c) Disposable glass tube with round bottom and screw thread

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 tube complete (glass tube, screw cap, black butyl stopper)	16 x 125	100
Replacement Components			
CLS-4208-10	Hungate tube, glass tube only	16 x 125	100
CLS-4208-11	Screw caps only	9 mm opening	100
CLS-4208-12	Butyl rubber stoppers only	5,4 mm height	100



Anaerobic Culture Tubes with Aluminium Seals (Balch-type)

- Gas-tight for anaerobic cultivation
- Especially for methane producing bacteria
- Gas-tight blue butyl rubber stoppers
- Borosilicate glass tubes
- Seal crimper and decapper

Cat. No.	Description	Size (mm)	Qty.
CLS-4209-01	Anaerobic tube complete (glass tube, blue butyl stopper, aluminium seal)	18 x 150	100
Accessories			
CLS-4209-10	Glass tube	18 x 150	100
CLS-4209-12	Aluminium seal	20	100
CLS-4209-14	Stopper, blue butyl rubber	20	100
CG-4930-20	Aluminium seal crimper, manual	for 20 mm	1
CV-5706-0020	Decapper, hand operated	for 20 mm	1



Anaerobic Clear Culture and Media Bottles

- Bottles for anaerobic cultivation
- 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	100
CLS-4209-14	Stoppers, blue butyl rubber	20 mm	100