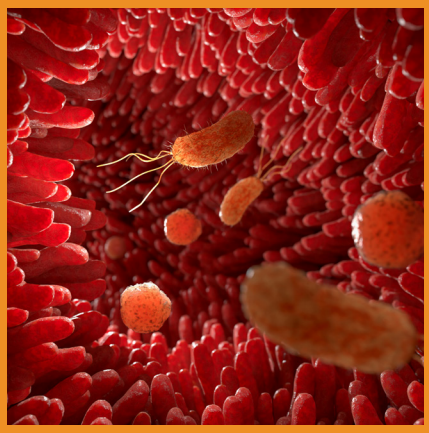
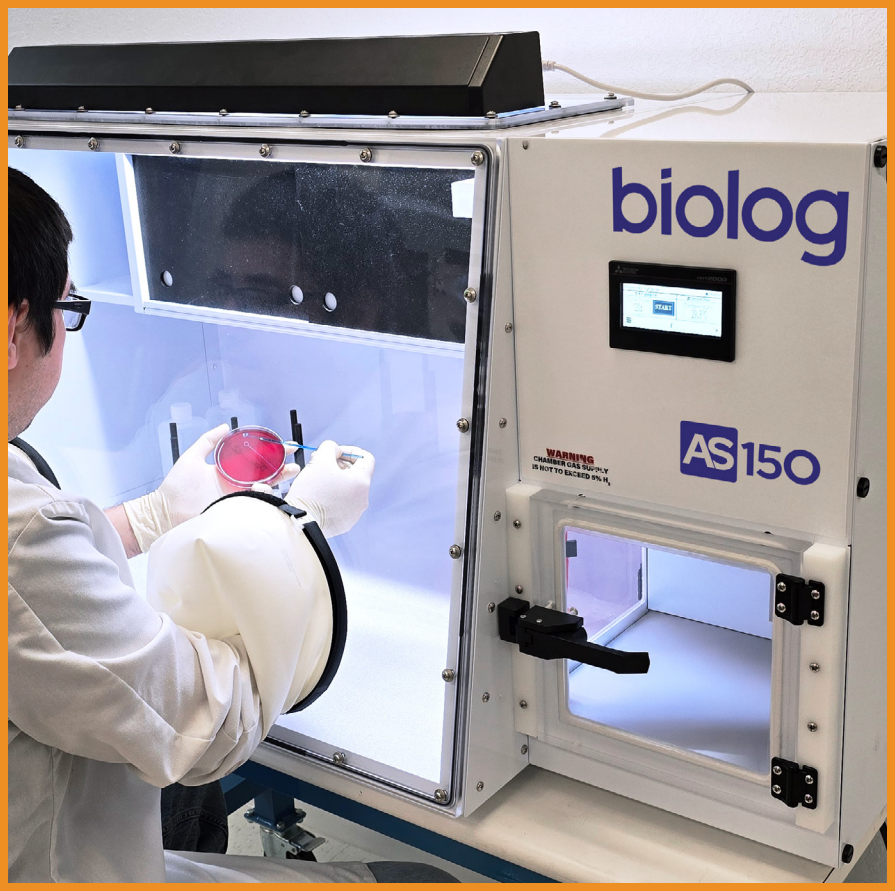
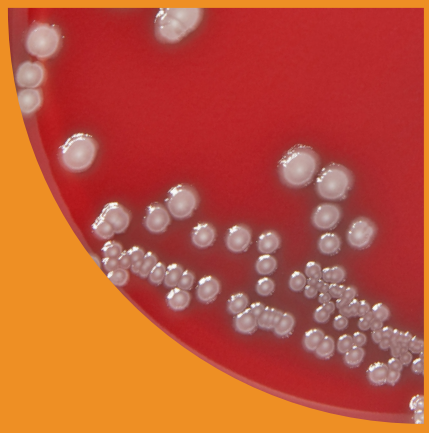
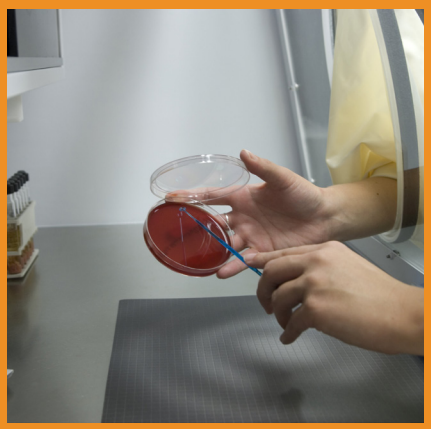






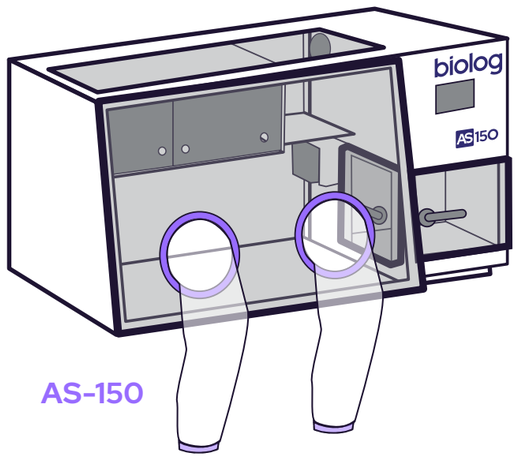


Biolog for Anaerobic Culturing

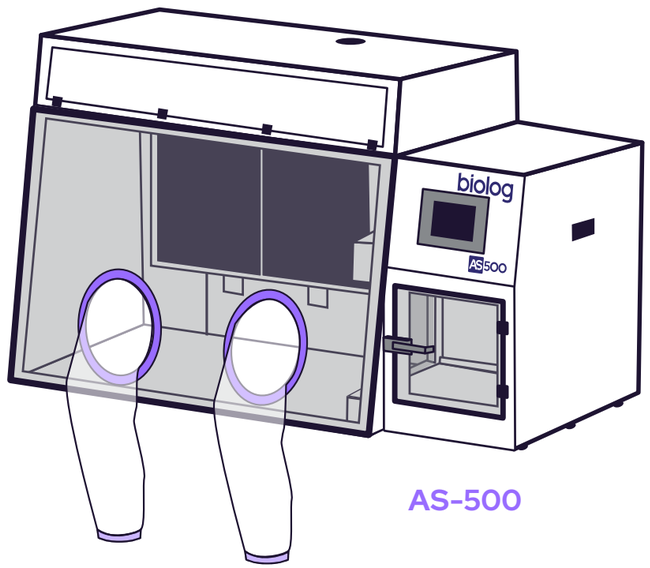
AS-150 Anaerobic Chamber

Maintaining an Oxygen-Free Environment

Our best-in-class anaerobic chambers provide an oxygen-free work area for the growth and handling of obligate and facultative anaerobic organisms. Our unique InstaSleeve™ technology allows an operator to work with their arms inside the oxygen-free environment, and perform tasks with the same dexterity as they would have on a standard laboratory bench, without exposing the microbes or culture media to oxygen. With two models to choose from and flexible configuration options for both, our chambers can provide oxygen-free comfort no matter your throughput needs.



AS-150



AS-500

Unmatched Anaerobic Expertise

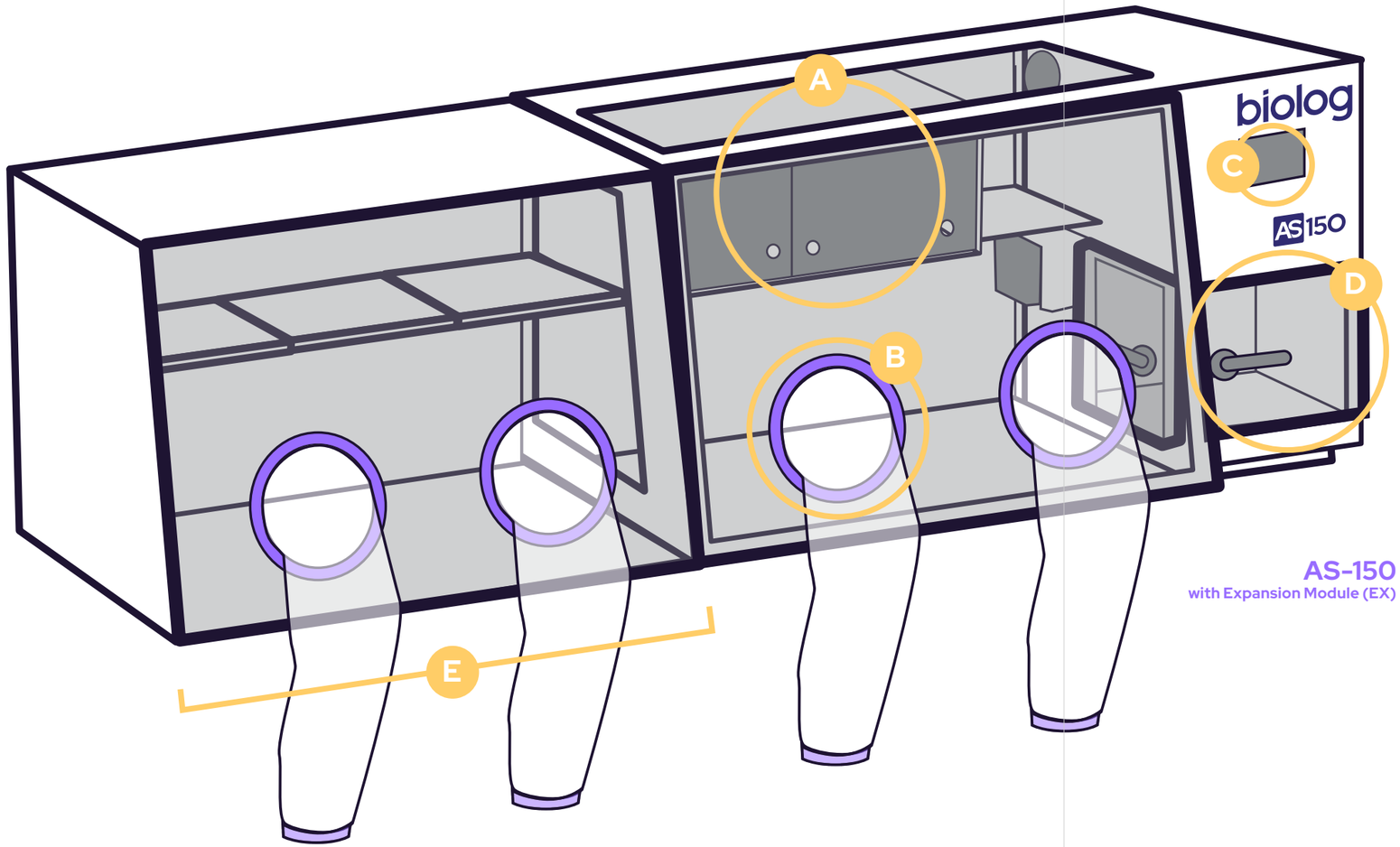
Anaerobic organisms play critical roles in health and disease pathology of humans and animals, as well as important roles throughout Earth's ecosystems. Isolating and culturing these fastidious organisms with consistent results requires a specialized environment.

Researchers and clinicians working with anaerobic organisms in any sector benefit from Anaerobe Systems' decades of experience with designing, building, and working in anaerobic chambers.

With the purchase of every chamber, we perform on-site installation and basic user training. Also available is a 2.5 day hands-on lab-based training course. This is a unique way to learn from the experts all the most important considerations for successfully working with anaerobes inside the chamber.

- CLINICAL DIAGNOSTICS
- VETERINARY/ANIMAL HEALTH
- BASIC RESEARCH
- INDUSTRIAL MICROBIOLOGY

Key Features of AS-150



AS-150
with Expansion Module (EX)

A Incubator

144-plate capacity separate incubator inside the work area keeps the rest of the chamber at room temperature.

B InstaSleeve™ Technology

Gloveless design improves sample handling and processing dexterity, while providing instant access to the chamber. Positive pressure inside the chamber and arm seals ensure a continuous anaerobic environment with easy and comfortable access, even allowing for small items and supplies to be brought directly into the chamber. Change the sleeve cuff size as needed for different operators, while maintaining an anaerobic environment.

C Touchscreen Controls

External screen indicates incubator temperature and airlock status, and allows running of processes and calibration.

D Airlock

The large vacuumless passbox runs an automatic cycle to remove oxygen, allowing supplies to be brought in without introducing oxygen.

E Modular Expansion

A continuous second workspace can be attached to the chamber, providing space for a second person to work in the chamber or to accommodate additional analytical equipment.

Smaller Footprint

Smallest footprint that fits easily on any lab countertop, while also providing sufficient anaerobic work environment.

Durable

Rigid metal and plexiglass construction is easy to clean, and holds up for 15+ years.

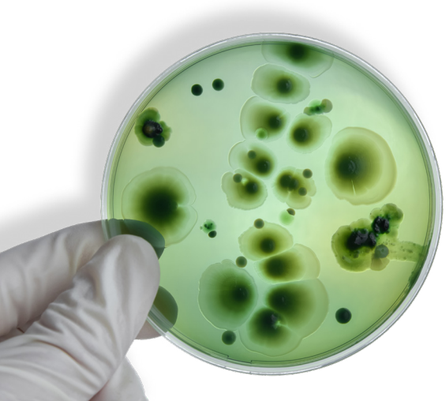
Visual Alarms

Color changing LCD screen lights up to indicate when the passbox doors are left open or the gas tank is empty.

Optional Parts and Services

	Part Number for AS-150	Short Description
	AS-150-EX	Expansion Module for AS-150; adds continuous work area measuring 36”W x 24”D
BENCHES*	**AS-150-HYBENCH**	Hydraulic bench with adjustable up/down lift function for standard AS-150 chamber
	AS-150-BENCH-29 or -36	Bench for standard AS-150 chamber, fixed at desk-height (29”) or counter-height (36”)
	AS-150-MBENCH-29 or -36	Bench for AS-150 expansion module, fixed at desk-height (29”) or counter-height (36”)
SERVICES	**AS-CHMB-INSTALL**	Installation and on-site training
	AS-CHMB-AM	Preventative Maintenance service
	AS-150-EW1	1 year extended warranty; must be quoted with AS-CHMB-AM
	AS EXTD TRAINING	2.5 day hands-on lab-based anaerobic bacteriology course
ACCESSORIES	**AS-150KIT**	Accessory Kit, includes 6 petri plate racks, 1 gal chamber cleaner, 1 condensate collection beaker, 1 overhead fluorescent light, 1 kg Anascrub pellets with 1 stainless steel bowl, 1 electronic gas leak detector, 4 pairs of butyl cuffs (choice of S, M, or L size)
	B08115-XX	1 pair Butyl cuffs attached at end of sleeves; specify size in part number: -7S (small), -8S (medium), -9L (large); replace every 1-2 months
	B08108-8	1 pair sleeves; replace every year
	AS-972	Benzalkonium Chloride Disinfectant for cleaning chamber (1 gal)
	B900310	Odor and H_2S Filter granules (1 kg); purchase annually
	C100702	Palladium Catalyst replacement pellets, per gram. Replace every 2-3 years with 90 g.
	B900311	Annual Preventative Maintenance parts for the AS-150 Chamber including: 1 pair sleeves, 9 pairs cuffs, chamber cleaner, Anascrub
	B900314	Annual Preventative Maintenance parts for AS-150 Modules including: 1 pair sleeves, 6 pairs cuffs

For customers outside the US and Canada, please contact sales@biolog.com for shipping information.



AS-150 SPECIFICATIONS

Chamber Dimensions & Weight		Airlock / Passbox	
Exterior Dimensions	49” W x 25” D x 25” H (124 cm W x 64 cm D x 64 cm H)	**Outer Opening Dimensions**	8.0” W x 7.5” H (20 cm W x 19 cm H)
Inside Work Surface	36” W x 23” D (91 cm W x 58 cm D)	**Inner Opening Dimensions**	8.0” W x 8.5” H (20.3 cm W x 21.6 cm H)
Incubator Height Above Floor	12.5” (31.75 cm)	**Airlock Interior Dimensions**	10.5” W x 10.0” D x 8.5” H (26.7 cm W x 25.4 cm D x 21.6 cm H)
Armports	7.5” (19.0 cm) circular opening	**Cycle Time**	2 minutes
Weight	200 lbs (91 kg)	**Cycle Operation**	Vacuumless, auto cycle
Incubator		**Electrical**	
Interior Dimensions	24” W x 8.5” D x 7.6” H (60.1 cm W x 21.6 cm D x 19.3 cm H)	**Voltage**	120-240 VAC, 50/60 Hz
Plate Capacity	144 petri plates	**Power**	720 watts
Temperature Range	Room Temp to 45 °C	**Interior Power**	2 standard 120-240 VAC outlets
Temperature Control	+/- 1.0 °C throughout 0.1 °C resolution	**Power Cable**	Country and voltage appropriate
Indicator	External temp display		

If your lab needs more anaerobic workspace or additional features, consider the AS-500 Anaerobic Chamber as well as our line of modular expansion options.

KEY DIFFERENCES BETWEEN AS-150 AND AS-500 ANAEROBIC CHAMBERS

	AS-150	AS-500
Size of internal workspace	36” x 24” (91 cm x 61 cm)	42” x 29” (107 cm x 74 cm)
Incubator Capacity	Holds 144 plates	Holds 500 plates
InstaSleeve™ Arm Access	7.5” (19.0 cm) diameter ports	10” (25 cm) diameter ports that provide more mobility and comfort
Oxygen removal	Palladium catalyst must be baked daily to regenerate	Self regenerating palladium catalyst with automated self-test; no daily maintenance needed.
Air filtration	No filtration	Built-in HEPA and H_2S filters
Oxygen sensor	None - use disposable indicator strips	Built-in digital oxygen sensor
Airlock	Standard door	Automatic sliding inner door, slide out tray, and internal touchscreen for ease of use
Modular Expansion	Up to 2 Expansion Modules can be attached to each chamber for additional workspace	Up to 2 Expansion Modules and/or Instrument Modules can be attached to each chamber for additional workspace and enable fully anaerobic workflows.

MKT140 Rev A

Biolog for Anaerobic Culturing

Find out how at biolog.com

biolog

BIOLOG INC.

21124 Cabot Blvd.

Hayward, CA 94545

+1 800 284 4949