

**NOW YOU CAN CULTURE
AS NATURE INTENDED**
WELCOME TO OUR WORLD OF PHYSOXIA



BAKER RUSKINN

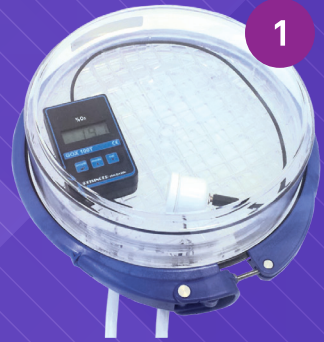
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BILLUPS MODULAR INCUBATOR CHAMBER

Best for experiments lasting 8 -10 hours. Can be placed inside InvivO₂ or SCI-tive workstation or an incubator

Features:

- Uses pre-mixed gas
- Very fast ramping times
- Use with 6, 12, 24 & 96 well plates
- Max 9 x 96 well plates



VELO₂ X 66L ANIMAL MODELING CHAMBER

Best for fast O₂ ramping and fluctuations over 8-10 hours

Features:

- For fast O₂ ramping times
- 66L Animal Chamber
- Accepts two small animal cages
- External width: ICONIC 462 mm/18.2in. Culture Chamber 622 mm/24.5 in.



VELO₂X 31L ANIMAL MODELING CHAMBER

Best for fast O₂ ramping and fluctuations over 8-10 hours

Features:

- For fast O₂ ramping times
- 31L Culture Chamber volume
- Accepts one small animal cage
- External width: ICONIC 462 mm/18.2in. Culture Chamber 592 mm/23.3 in.



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New remote monitoring to allow complete control



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INVIVO₂ 400 WORKSTATION

Best for up to 30 days continuous physiological oxygen conditions. Use with 6, 12, 24 & 96 well plates, as well as flasks as large as T175

Features:

- 26L pass-through (interlock)
- 210.3L chamber
- External width 1252 mm/49.3 in.
- Precise control of temperature, O₂, CO₂ & humidity
- Accepts small digital imaging system, e.g. Lumascope

INVIVO₂ 500 WORKSTATION

Ideal for up to 30 days continuous physiological oxygen conditions. Use with 6, 12, 24 & 96 well plates, as well as flasks as large as T175

Features:

- 41L pass-through (interlock)
- 210.3L chamber
- External width 1392 mm/54.8 in.
- Precise control of temperature, O₂, CO₂ & humidity
- Accepts small digital imaging system, e.g. Lumascopes 500/620

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Intuitive
touch screen
control

INVIVO₂ 1000 WORKSTATION

Perfect for long-term continuous physiological oxygen conditions & experiments requiring two atmospheres. Use with 6, 12, 24 & 96 well plates, as well as flasks as large as T175

Dual chambers
available offering
two unique
atmospheres

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Features:

- 49L pass-through (interlock)
- 2 x 210.3L chambers
- External width 2404 mm/94.6 in.
- Precise control of temperature, O₂, CO₂ & humidity
- Accepts small digital imaging system, e.g. Lumascopes 500/620

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SCI-tive WORKSTATION

Best for up to 120 days of continuous physiological oxygen conditions with cell imaging

Features:

- 21L pass-through (interlock)
- 600L chamber
- External width 1660mm / 65.3 in.
- Precise control of temperature, O₂, CO₂ & humidity
- Use with most plates and flasks
- Accepts various inverted microscopes (ask for details) and small digital imaging system, e.g. Lumascope 500/620/720

SCI-tive DUAL SYMMETRICAL WORKSTATION

Continuous physiological oxygen conditions requiring two atmospheres and cell imaging

Features:

- Central 21L pass-through (interlock)
- Two 600L chambers
- External width 2995 mm/117.1 in.
- Precise control of temperature, O₂, CO₂ & humidity
- Use with most plates and flasks
- Accepts various inverted microscopes (ask for details) and small digital imaging system, e.g. Lumascope 500/620/720

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Dual chambers
available offering
two unique
atmospheres

SCI-tive ASYMMETRICAL WORKSTATION

Best for up to 120 days continuous physiological oxygen conditions requiring two atmospheres and cell imaging

Features:

- Central 21L pass-through (interlock)
- One 600L and one 720L chamber
- External width 2815 mm/110.8 in
- Precise control of temperature, O₂, CO₂ & humidity
- Use with most plates and flasks
- Accepts various inverted microscopes (ask for details) and small digital imaging system, e.g. Lumascpe 500/620/720

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Dual chambers
available offering
two unique
atmospheres



CondoCell™* PORTABLE CONTAINMENT CONTROL

CondoCell™* provides luxury accommodation for cells with continuous physiological control, added protection and mobility



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Features:

- Ideal for continuous physoxia/hypoxia studies
- Portable solution
- Cell passaging
- Adherent & Non-adherent cultures
*dependent on culture vessel
- Utility with non-O₂ culture
- Precision delivery of gas
*dependent on the incubator it's placed in
- Precision control of gas
*within the specification of its housing incubator
- Door opening recognition
- Fit within any incubator
- Increases productivity
- Filtered, protected & contained

*Patent Pending

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PhO₂x Box CELL CULTURE SYSTEM

PhO₂x Box is comprised of a Gas Controller and Cell Culture Chamber, and is designed for in vivo cell cultures using plates and small flasks, not live animals

Features:

- Adjustable flow rate to speed up/decrease ramping times
- Easy navigation software for steady state incubation or hypoxic cycling
- Range O₂: 0.3%-18.5% (Compressed air) but can use O₂ up to 25%
- Range CO₂: 0.3-20%
- Culture Chamber comes in 2 sizes 340 x 300 x 460 mm or 360 x 230 x 300 mm (W x D x H), external dimensions
- On screen data log displaying time/date/O₂ set point value/CO₂ set point/CO₂ value
- Door opening recognition
- Optional Gas Controller version obviating the need for a Compressed Air cylinder
- Culture Chambers have removable shelf
- Smaller Culture Chamber model fits neatly into CO₂ incubator shelving

OxyGenie™ ACCESSIBLE MOBILE OXYGEN CONTROL

OxyGenie™ is ideal for conducting high resolution microscopy or irradiation under physiological oxygen conditions

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Ideal for
short term
hypoxia
studies

Features:

- Compact, portable tool
- Ideal for short term hypoxia studies
- Benchtop working with easy storage
- Compliments long term studies

*in a workstation

- Irradiation compatible

*needs to be uncoupled from Oxygenius before treatment

- Adherent & Non-adherent cultures

*dependent on culture vessel

- Utility with non-O₂ culture
- Precision delivery of gas

Consumables:

- Silicone cell culture well
- Microscope coverslip glass
- Lid
- Sealing ring
- Premixed gas canister

*at desired O₂ and CO₂ concentrations

- Specialized regulator to fill mini bottles with desired gas

*Patent Pending

Get in touch today to hear how we can work with you or visit our website www.bakerco.com

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