



part of the Breeze Group



Xvivo System[®] X2



Reduce operating costs



Operator-friendly



Modular, flexible designs



Mitigate microbial risk



Increase cell yields

Take our Xvivo System Quiz to find the right configuration for your needs!

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[linkedin.com/company/biospherix](https://www.linkedin.com/company/biospherix)



[Youtube.com/@cytocentric](https://www.youtube.com/@cytocentric)

Xvivo System[®] X2

Reduce operating costs

- No HVAC costs
- Lower consumable costs
- Improved efficiency of cell processes
- Shorter design/build time

Operator-friendly

- Eliminate gowning up and down
- Reduced time spent cleaning and decontaminating

Modular, scalable, movable

- Adaptable to changing protocols
- Accommodates third-party equipment
- Customizable to your needs

Mitigate microbial risk

- Cells are always protected from room air
- Constant HEPA filtration
- ISO 5 compliant
- Reduced reliance on harmful antibiotics and biocides
- Patented, self-sanitizing process

Increase cell yields

- Cells experience better growth under controlled and consistent physiologic conditions
- Modeling in vivo physiology positively impacts experimental results
 - Improves scientific reproducibility
 - Increases clinical translation

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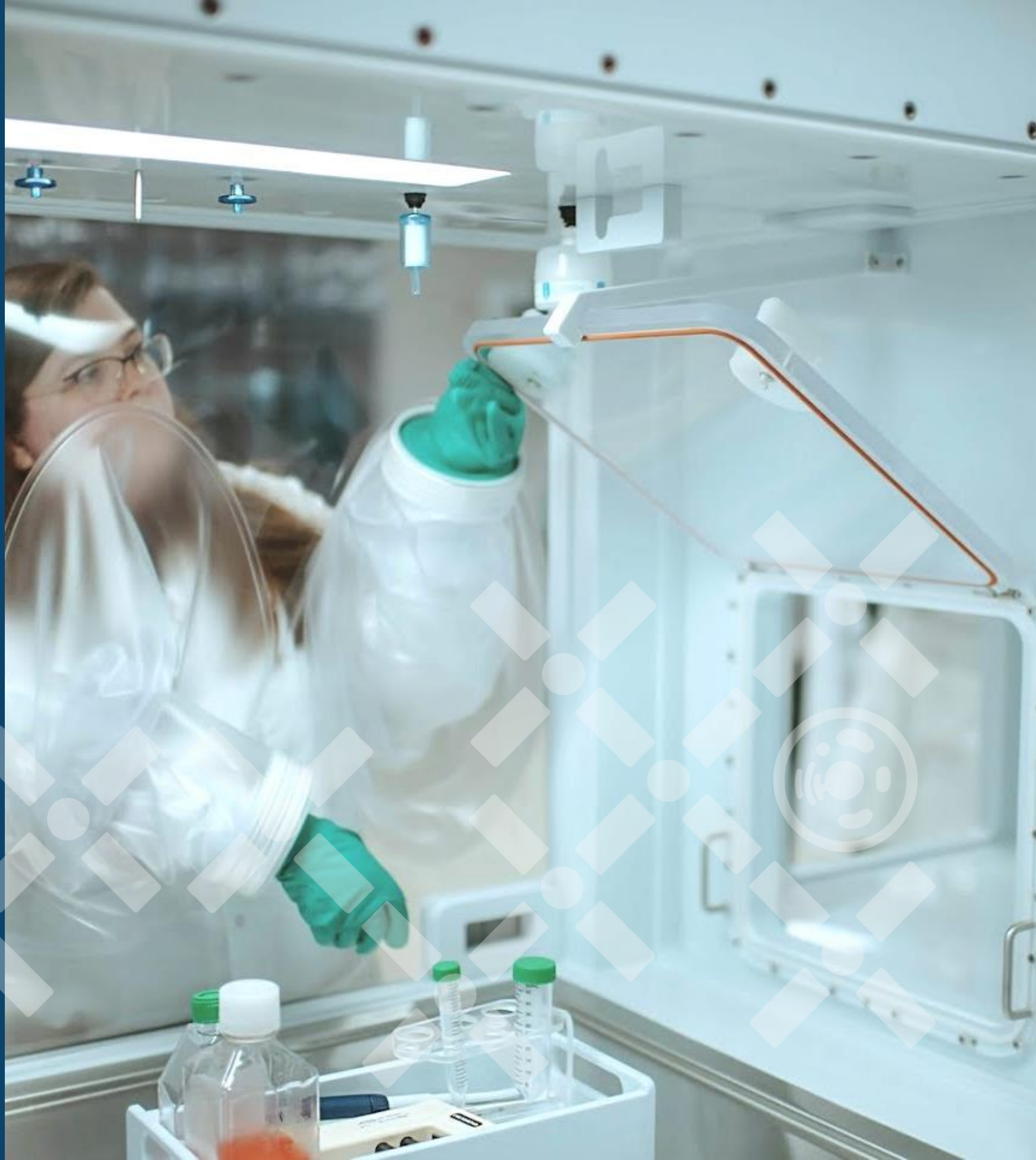
GMP Xvivo System[®]

REPRESENTED BY:



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The Cleanroom Challenge



Typical cleanrooms are:

- Expensive to install, operate, and maintain
- Not operator-friendly
- Restricted in use
- Risk of contamination from personnel
- Not designed for the needs of cells

The Cleanroom Challenge



VS



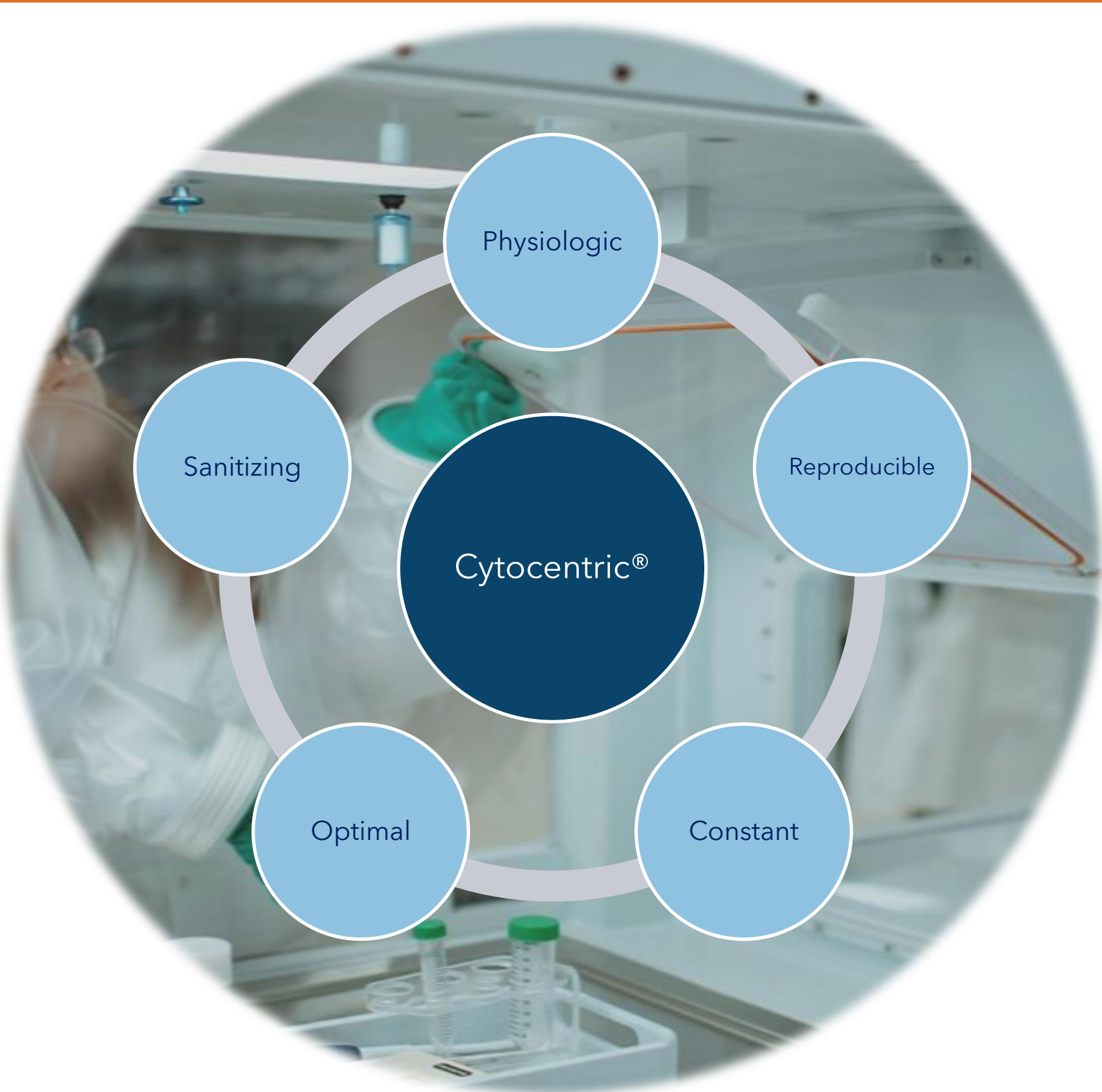
Traditional Cleanrooms

- Expensive to install, operate, and maintain
- Not operator-friendly
- Restricted in use
- Risk of contamination from personnel
- Not designed for the needs of cells

Xvivo GMP System[®]

- Reduced installation, operation, and maintenance costs
- Operator-friendly
- Modular, scalable, and movable
- Mitigates microbial risk
- Cytocentric[®]

The Cleanroom Challenge



What is Cytocentric®?

- An environment that meets the needs of cells
- The cell production process is completely **closed** and **controlled** from start to finish
- Environmental conditions are optimal, physiologic, and constant
- No exposure to room air

The Xvivo System[®]

BioSpherix

The Xvivo System environment is
Cytocentric by design



Closed

Controlled

Cytocentric



Reduces Operating Costs

- No HVAC costs
- Lower consumable costs
- Improved efficiency of cell processes
- Shorter design/build time

The Xvivo System[®]

BiSpherix



Operator-Friendly

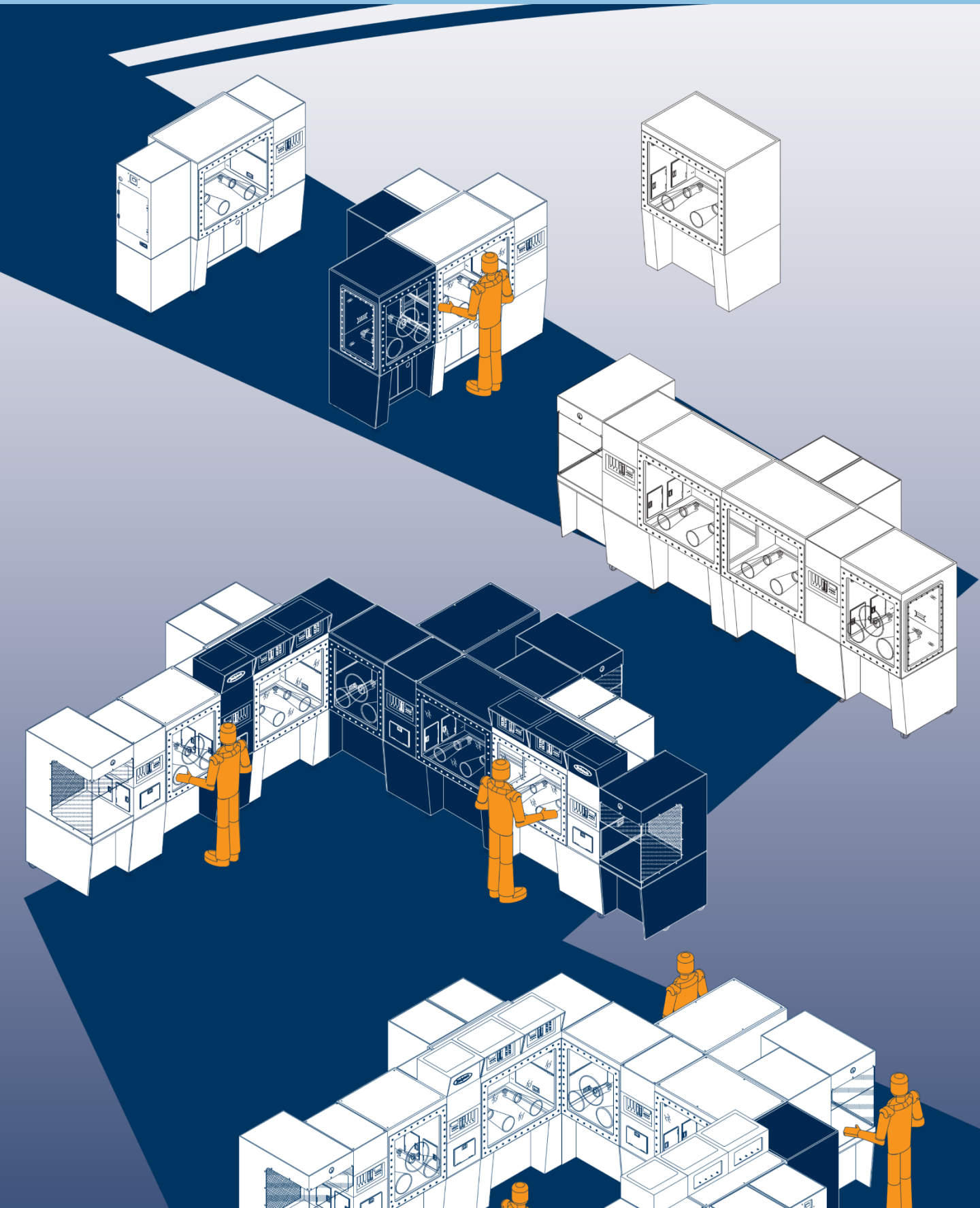
- Eliminate gowning up and down
- Reduced time spent cleaning and decontaminating

The Xvivo System®

BiSpherix

Modular, Scalable, Movable

- Adaptable to changing protocols
- Accommodates third-party equipment
- Customizable



The Xvivo System[®]

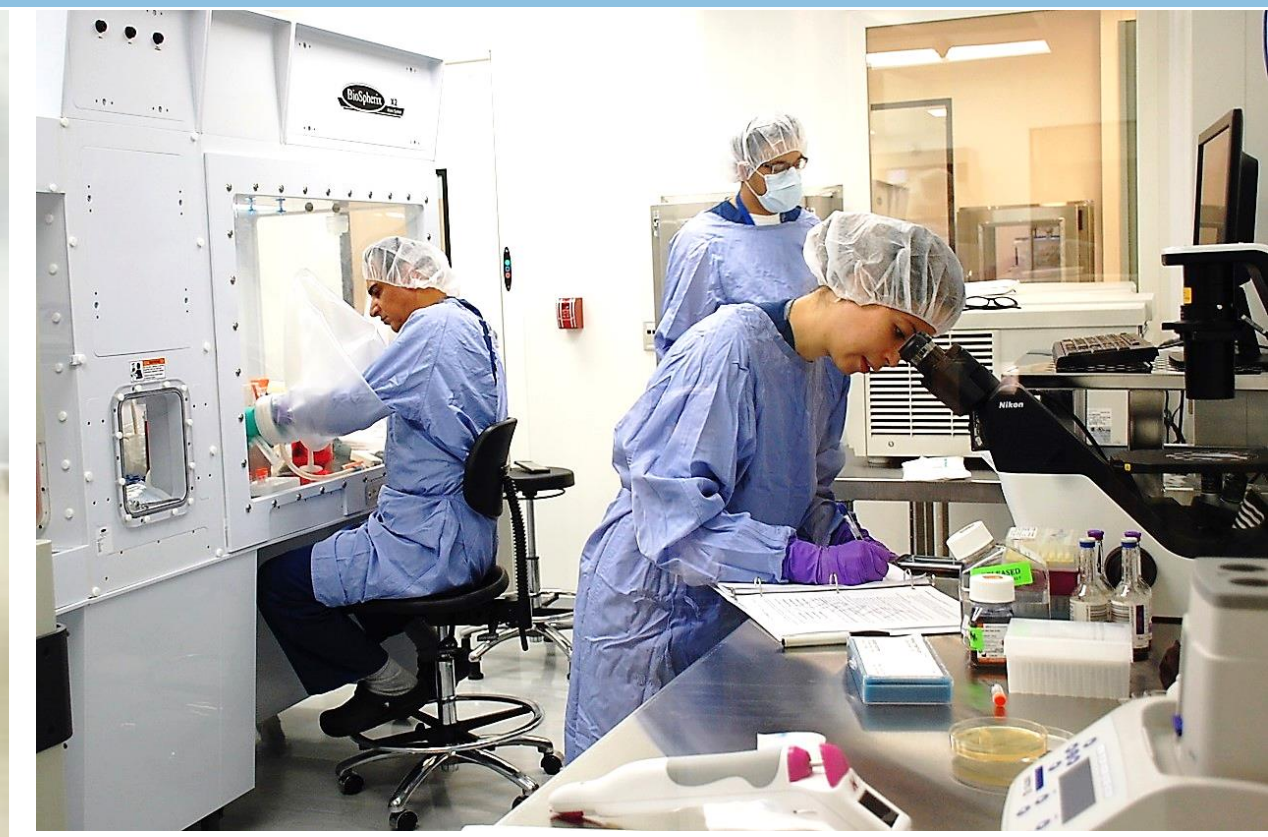
BioSpherix



Australia



Jordan



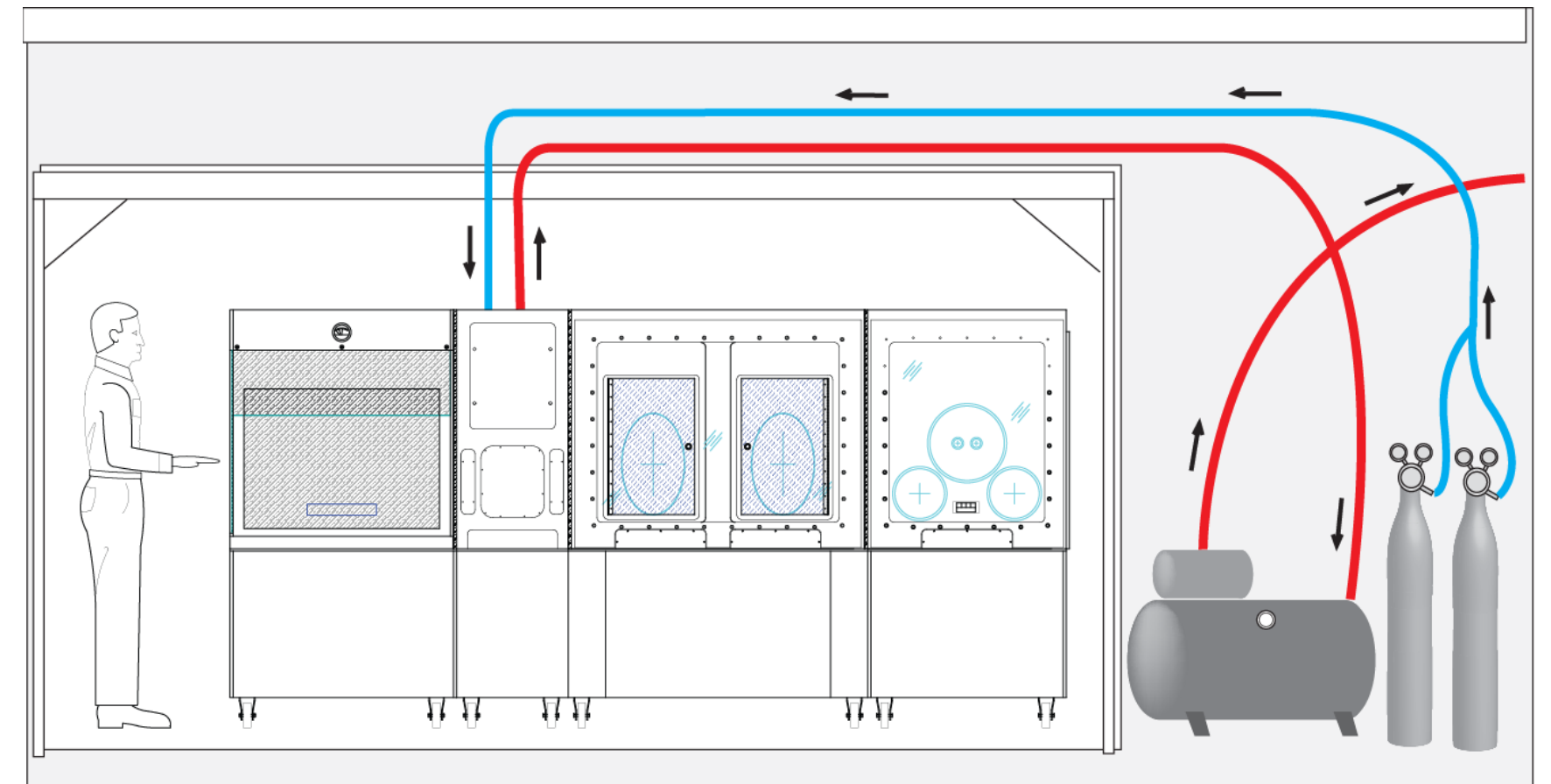
Canada

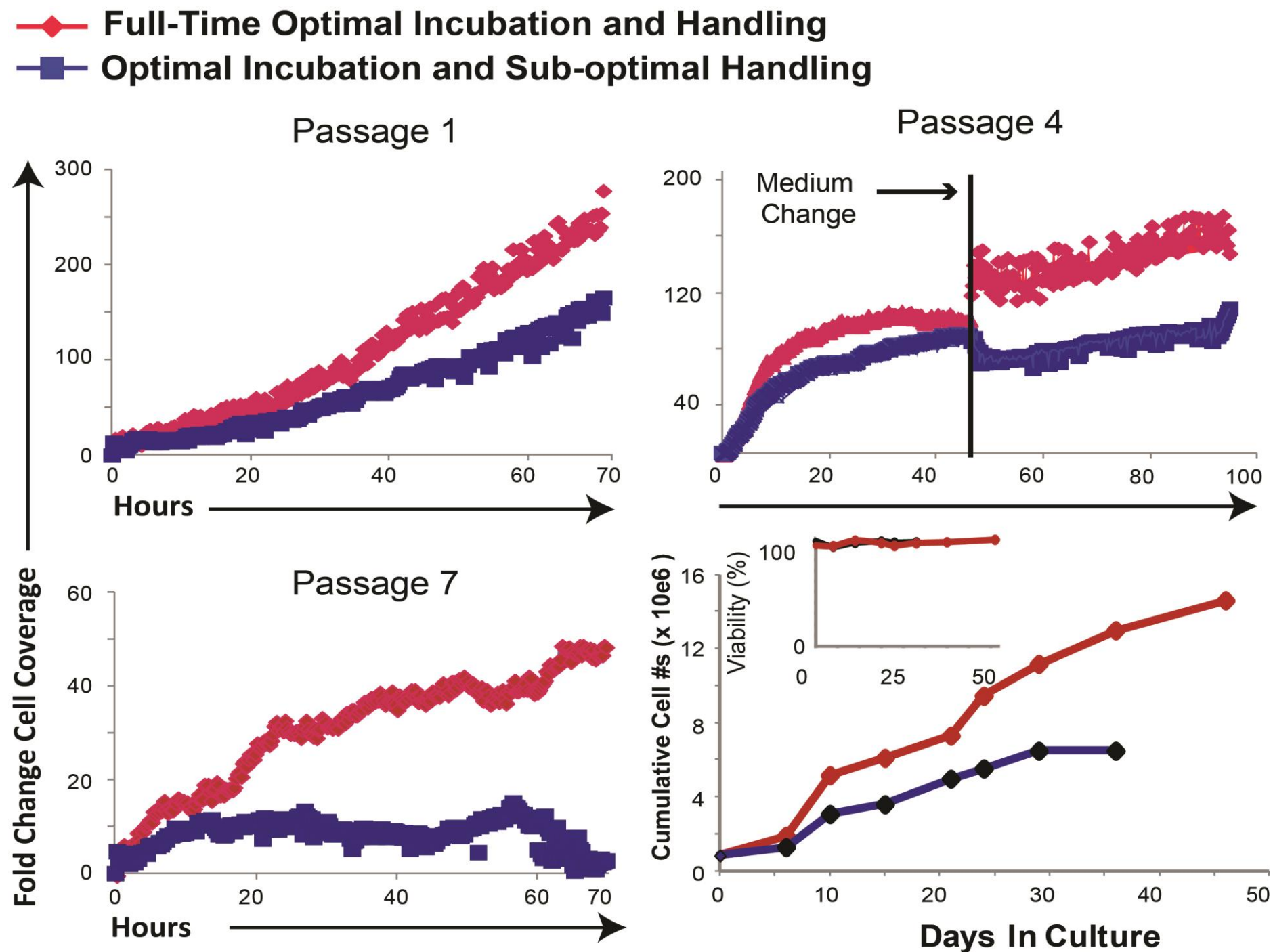
Designed for Decentralized Manufacturing

- Identical conditions across multiple locations
- Centralized, remote monitoring and control
- Enables proximity to point of use

Mitigates Microbial Risks

- Cells are always protected from room air
- Separation between cells and people
- Inputs from compressed, dry gases
- Constant HEPA filtration
- ISO 5 compliant
- Reduced reliance on harmful antibiotics and biocides
- Patented, self-sanitizing process





Increases MSC Yields

- Cells experience better growth under controlled and consistent physiologic conditions
- Modeling *in vivo* physiology positively impacts experimental results
- Improves scientific reproducibility
- Increases clinical translation

Our Applications

- Stem cells
- Cardiac
- Nephrology
- Trophoblast
- Ophthalmology
- COVID-19
- Immunology
- Organoids
- Cancer
- Tissue engineering
- Neuroscience
- MSC



Our Customers



Xvivo Systems® are in locations across the world

