

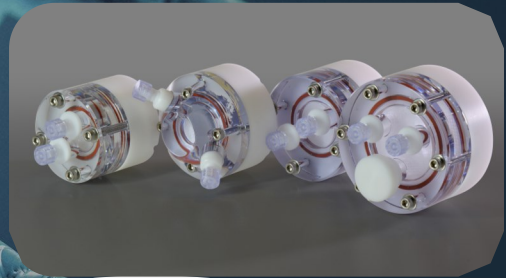


3D Culture Systems for a 3D World

Autoclavable

HARV

High Aspect Ratio Vessel



Cell Culture

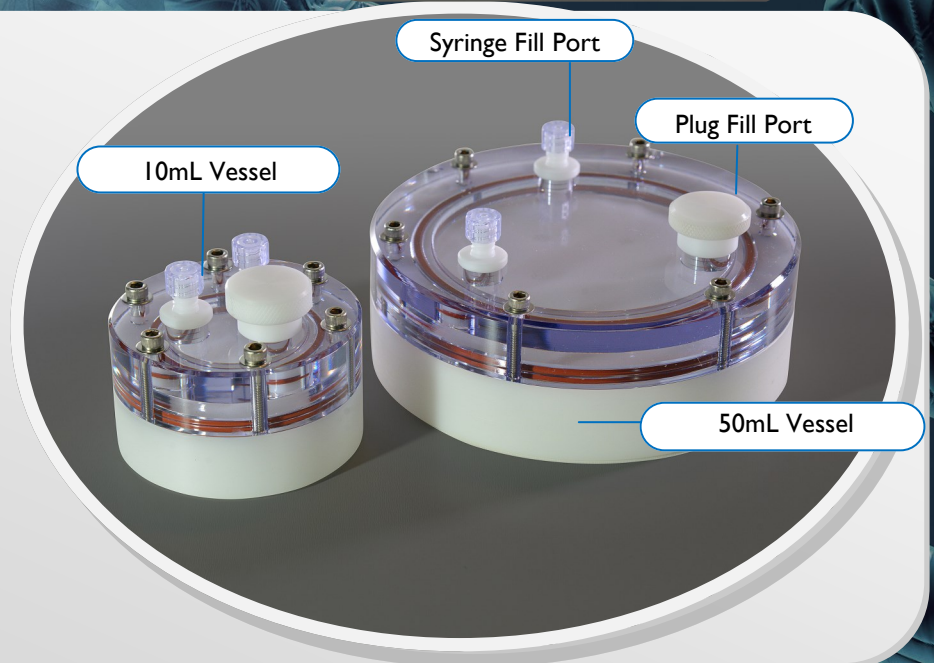
- Suspension and Anchorage dependent compatible

Silicone Membrane

- Oxygenation through silicone rubber gas transfer membrane.

Volume

- 1, 2, 4, 10 and 50mL volumes



FAQ

Q: How are the cells oxygenated?

A: In a gas regulated incubator, gas diffuses through the silicone membrane of the bioreactor.

Q: Do the cells stay in one place in the bioreactor?

A: No, they continuously fall through the media during vessel rotation. The continuous motion of the cells in media facilitates their exposure to nutrients.

Q: Is the HARV a roller bottle system?

A: No. Roller bottles grow cells on the wall of the bottle in 2D. The HARV grows cells in suspension, either as 3D spheroids or on scaffolds/beads.

The Synthecon Rotary Cell Culture System

Produces differentiated high density, three dimensional tissue cultures.

Membrane oxygenation provides bubble free operation, which results in an extremely gentle culture.

Operates in standard incubators. Samples may be easily drawn at any time.

Ideal for growing and maintaining normal tissues, cancer tumors spheroids and bacteria/virally infected tissue models.

Synthecon can design and build systems to user's specifications.

