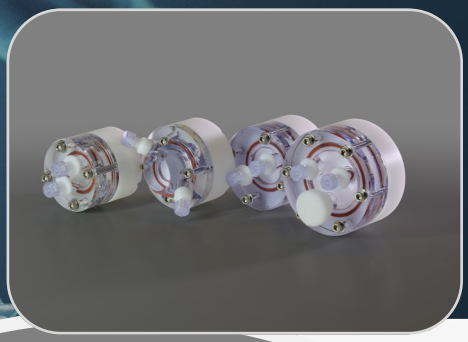
SYNTHECON

3D Culture Systems for a 3D World

RCCS-4SC

Stem Cell



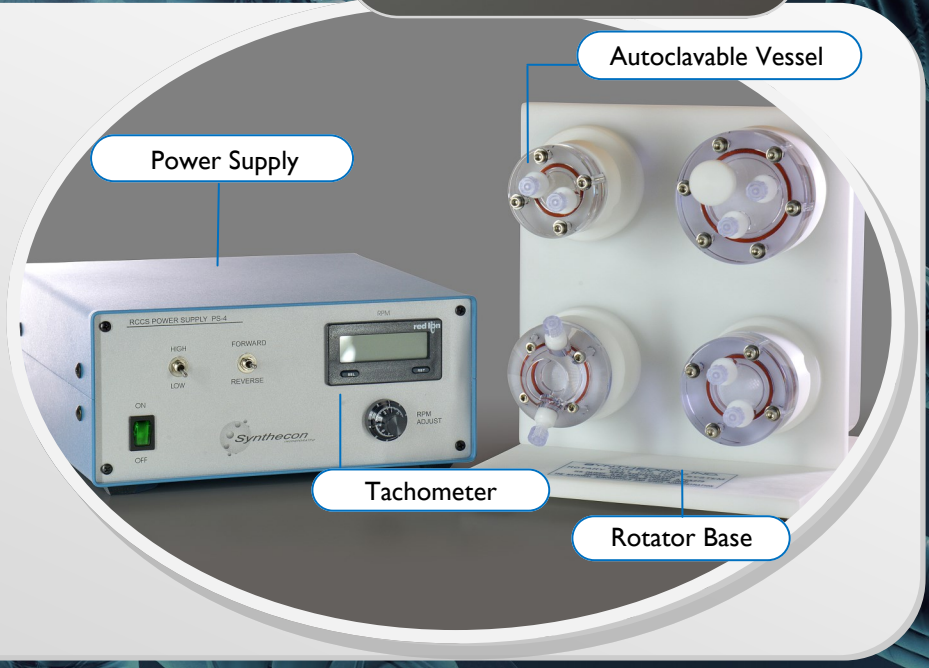
Four Station Rotator Base

Power Supply
(with Tachometer and Ribbon Cable)

Operation Manual

Four Stem Cell Culture Vessels

- **Low cost, easy to use system which makes the technology available to most laboratories.**
- **Four autoclavable Stem Cell type culture vessel of your choice (1mL, 2mL, 4mL or 10mL)**
- **Sterile valves for vessels and vessel assembly tool included.**



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 RCCS a roller bottle system?

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

* For additional FAQs visit www.synthecon.com/faq

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.