

# CellCradle®

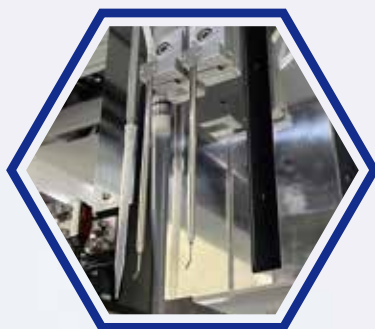
## Advancing Cell Culture Automation to the Next Level

CellCradle is an innovative system that automates the seeding, and collection of adherent cells, supporting the realization of lab automation. Additionally, we can integrate it with other devices based on customer requests, providing optimal cell culture solutions.



## Co-innovating Excitement with Mechatronics

The CellCradle subculturing system is equipped with a variety of integrated functions, including Dispensers, Aspirator, Pipettor, Medium Cooling Unit, Cappers and Decappers, and Centrifuge Tube Spinner.



**Dispensing Head**

Dispenser	2 Ch
Pipettor	1 Ch
Aspirator	1 Ch



**Centrifuge Tube Spinner**

Capacity	1 (50 ml centrifuge tube)
Maximum spin force (approx.)	2000 rpm
Balance	Balance weight (automatic adjustment)



**T225 Stage**

Number of stage	2
Stage tilt range	-5 ° ~ 95 °
Sensors	Home Position, Tray load detection

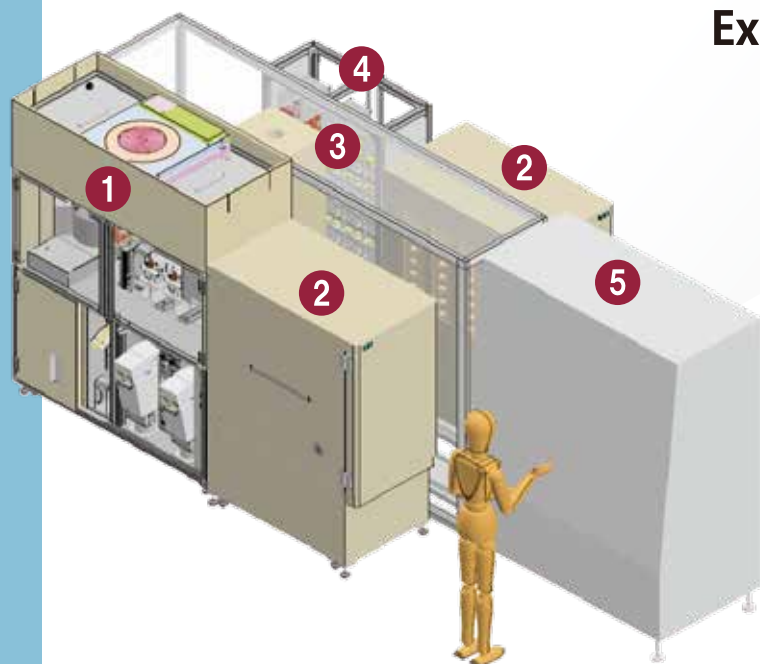


**Medium Cooling Unit**

Channel numbers	2 Channel
Storage volume	2 L
Storage temperature	2 ~ 8 °C
Dispense temperature	RT. +7 ~ 40°C

Our system can be customized to meet the specific needs of researchers, enabling flexible combinations of various modules.

With the integrated software Green Button Go (GBG), you can easily design and manage complex workflows.



## Example of System Configuration:

- 1 CellCradle®
- 2 T225 Flask - CO<sub>2</sub> Incubator
- 3 T225 Flask - Transfer Robot
- 4 Loader Rack
- 5 Safety Cabinet

**Create a tailored system by easily combining modules to fit your unique needs!**

### Subculturing Module - CellCradle

External Dimensions (W x D x H) (mm)	1,505 x 665 x 2,050
Weight (approx.)	200 kg
Internal Environment	Cleanliness: Equivalent to ISO Class 5
Configuration	Dispensers x 2, Aspirator x 1, Pipettor x 1, 50 ml Centrifuge Tube Spinner x 1
Compatible Vessel Type	T225 Flask

### CO<sub>2</sub> Incubator Module

External Dimensions (W x D x H) (mm)	650 x 1,150 x 1,670
Weight (approx.)	260 kg
Capacity	24 ea (4 columns x 6 tiers)
Temperature Control	Direct Heating
Temperature	RT. +7 ~ 50 °C (at 37 °C ± 0.5 °C)
CO <sub>2</sub> Concentration	0 ~ 20 %

### Transfer Robot

External Dimensions (W x D x H) (mm)	630 x 2,830 x 1,900
Weight (approx.)	300 kg
Tray Transport Capacity	1 ea (single arm)
Barcode Reader	1D Barcode Reader

### Loader Rack

External Dimensions (W x D x H) (mm)	915 x 400 x 1,900
Weight (approx.)	60 kg
Sensors	Tray Load Detection, Interlocking Door System
Capacity	Vertical: Up to 11 Tiers (minimum 95 mm pitch) Horizontal: 5 Columns



**ROEZE Lifescience Inc.**

〒305-0854

430-1 Kamiyokoba, Tsukuba City, Ibaraki Prefecture, Japan

TEL : +81-29-875-9330

Web : <https://www.rorze-ls.com>

E-mail : [sales@rorze-ls.com](mailto:sales@rorze-ls.com)

\*This information is current as of August 2024.

Designs, specifications, and appearance are subject to change without prior notice.

\*Products are sold for research use only.