

# CelXrocker®

Your Benchtop Versatile  
Cell Culture Rocker



- ▶ *Tide Motion via adjustable tilt delay (0-60 sec)*
- ▶ *External HMI control box*
- ▶ *Adjustable rocking speed as low as 1 rpm to 20 rpm*

CelXrocker® provides gentle side-to-side rocking motion for mixing in culture flasks, tubes, and petri dishes. The rocker is designed to conveniently fit in most CO<sub>2</sub> incubators and refrigerators thereby enabling flexible setups and assays to be performed in controlled environments.

For small scale culture, the rocker mimics the Tide Motion as a proof-of-concept for Top Holding Time (nutrient exchange phase) and Bottom Holding Time (aeration phase).

## Additional Features

- **Non-stop operation without overheating**  
Space between motor and platform prevents heat build up in the rocker. Prevents damage of cells/cell death with trapped heat at the surface of platform
- **Non-slip platform surface**  
Keeps the items in place while rocking
- **Time or untimed operation**  
Gives the user control over monitoring of mixing period
  - **Tide or continuous mode**  
Allows option for with or without delays at the end of each tilt
  - **Manipulation through the control box**  
Allows monitoring and adjustments on a separate platform from the rocker
  - **User-friendly interface**  
Displays your process in real-time
  - **Magnetic control box base**  
Allows placement of the control box on any metallic surface. Easily place on the side of the CO<sub>2</sub> incubator





## Additional Features

- Tide motion testing of BioNOC II® and/or BioMESH® macrocarriers (Proof-of-Concept)
- Small-scale cell seeding and cell culture using macrocarriers
- Assays requiring side-to-side rocking mechanism
- Blotting, hybridization, staining, and destaining

## Specifications

CelXrocker®	
Description	2D rocker
Overall Dimension (W × D × H)	300 mm × 280 mm × 116.5 mm (platform at 0°C) 300 mm × 280 mm × 163 mm (platform at 20°C)
Motor Type	DC motor
Shaking Motion	Rocking
Speed Range	1-30 rpm
Tilt Angle	± 20 degrees
Platform Size (W × D)	300 mm × 280 mm
Platform Mat	Non-slip silicone gasket
Max Load Capacity with Platform	13 kg
Electrical Requirements	Single phase, AC, 100-240 V, 3 A
Operation Type	Continuous or Tide
Experiment Time	Infinite or timed
Body	Stainless steel (AISI304 grade)

## Ordering Information

Product	Model	Item Code	Description
CelXrocker	CXR-1-280X300-C	2231015	Tide 2D rocker, corded power supply
Motor	EQR/EL-DC MOTOR, 12VDC	1620675	Brushless DC planetary gear motor

Item Code	Product Name	Package	Remarks
<b>BioNOC II®</b>			
1400376	CXR-T75 BioNOC II_5 pcs, pack of 6	6 × T75 flask, prefilled with 5 pcs of BioNOC II®	Recommended Culture Media Volume*:  7-10 mL
1400377	CXR-T75 BioNOC II_10 pcs, pack of 6	6 × T75 flask, prefilled with 10 pcs of BioNOC II®	
1400378	CXR-T75 BioNOC II_20 pcs, pack of 6	6 × T75 flask, prefilled with 20 pcs of BioNOC II®	
1400379	CXR-T75 BioNOC II_30 pcs, pack of 6	6 × T75 flask, prefilled with 30 pcs of BioNOC II®	
1400380	CXR-T175 BioNOC II_10 pcs, pack of 6	6 × T175 flask, prefilled with 10 pcs of BioNOC II®	Recommended Culture Media Volume*:  20-25 mL
1400381	CXR-T175 BioNOC II_20 pcs, pack of 6	6 × T175 flask, prefilled with 20 pcs of BioNOC II®	
1400382	CXR-T175 BioNOC II_30 pcs, pack of 6	6 × T175 flask, prefilled with 30 pcs of BioNOC II®	
1400383	CXR-T175 BioNOC II_50 pcs, pack of 6	6 × T175 flask, prefilled with 50 pcs of BioNOC II®	
<b>BioMESH®</b>			
1400388	CXR-T75 BioMESH_5 pcs, pack of 6	6 × T75 flask, prefilled with 5 pcs of BioMESH®	Recommended Culture Media Volume*:  7-10 mL
1400389	CXR-T75 BioMESH_10 pcs, pack of 6	6 × T75 flask, prefilled with 10 pcs of BioMESH®	
1400390	CXR-T75 BioMESH_20 pcs, pack of 6	6 × T75 flask, prefilled with 20 pcs of BioMESH®	
1400391	CXR-T75 BioMESH_30 pcs, pack of 6	6 × T75 flask, prefilled with 30 pcs of BioMESH®	
1400392	CXR-T175 BioMESH_10 pcs, pack of 6	6 × T175 flask, prefilled with 10 pcs of BioMESH®	Recommended Culture Media Volume*:  20-25 mL
1400393	CXR-T175 BioMESH_20 pcs, pack of 6	6 × T175 flask, prefilled with 20 pcs of BioMESH®	
1400394	CXR-T175 BioMESH_30 pcs, pack of 6	6 × T175 flask, prefilled with 30 pcs of BioMESH®	
1400395	CXR-T175 BioMESH_50 pcs, pack of 6	6 × T175 flask, prefilled with 50 pcs of BioMESH®	

\*The culture media volumes can be optimized based on maintaining optimal cell growth and rocking process. All carriers should be submerged and keep the T-flask cap filter dry.

\*\*During the cell seeding process, it is recommended to use the minimum media volume required to fully cover all carriers, thereby enhancing the contact between the cells and carriers.

