

# 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 dishes. The rocker is designed to conveniently fit in most CO<sub>2</sub> incubators and refrigerators thereby enabling flexible set-ups 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

- **Nonstop 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® carriers (Proof-of-concept)
- Small-scale cell culture using macrocarriers
- Assays requiring side-to-side rocking mechanism
- Blotting, hybridization, staining, and destaining



## SPECIFICATIONS

CelXrocker®	
Description	2D rocker
Overall dimension (WxDxH)	300 mm x 280 mm x 116.5 mm (platform at 0°) 300 mm x 280 mm x 163 mm (platform at 20°)
Motor type	DC motor
Shaking motion	Rocking
Speed range	1-30 rpm
Tilt angle	± 20 degrees
Platform size (WxD)	300 mm x 280 mm
Platform mat	Non-slip silicone gasket
Max load capacity with platform	13 kg
Electrical requirements	100-240V, AC, 1Phase, 50/60Hz, 3 ampere
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

Note: Spare motor is recommended when purchasing the unit as motor life only lasts for 1 year. Remaining motor life span is shown on the HMI home screen of the control box.