

XF Prep Station

Seahorse...
*the standard for
measuring cell
metabolism.*

Improve ECAR sensitivity

Lower CVs

Simplify workflow

Automated Assay Plate Preparation

The Seahorse XF Prep Station is a compact, bench-top, fluid management system that prepares your culture plates for assay with the XF Extracellular Flux Analyzer, saving valuable lab time, improving CV's, and increasing the sensitivity of your ECAR measurements.

XF Prep Station

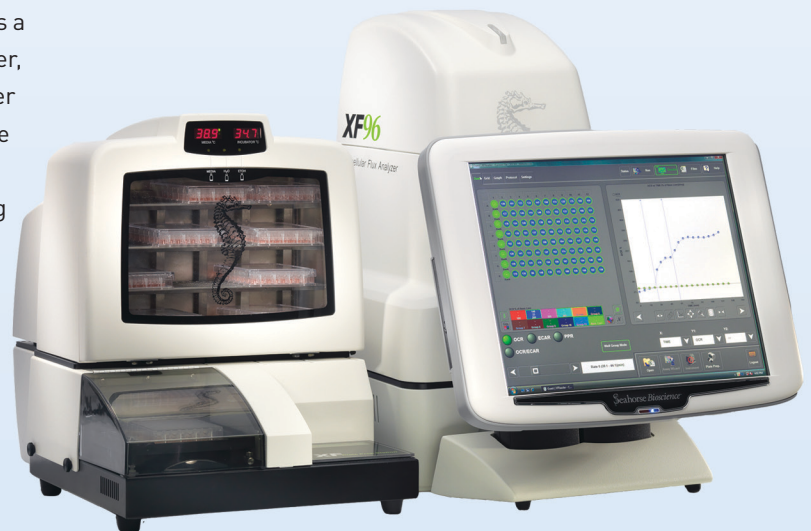
- Fast, meticulous, and thorough washing of cells, and automated exchange of medium, ensuring consistent assay conditions.
- Integrated interface with the XF application software controls all wash steps sequenced within the XF assay protocol.
- Required for use with the XF96 Analyzer, and recommended for use with the XF24 Analyzer.

Improves Performance

To measure cell glycolysis using the Extracellular Acidification Rate (ECAR), the XF Analyzer requires low buffered medium, typically necessitating a change from cell growth medium to assay medium. Previously, XF users had to manually remove and rinse cells of culture medium with a multi-channel pipettor prior to adding assay medium and pre-incubating in a non-CO₂ incubator, often adding significant time and variation to their assay. Now you simply program the medium wash protocol, and the Seahorse XF Prep Station does the rest.

Complete Bench-top System

The XF Prep Station incorporates a non-CO₂ incubator, media warmer, cell washer, and media exchanger in a compact footprint that can be located adjacent to your XF Analyzer and run by your existing XF application software.



XF Prep Station

Technical Specifications

| | |
|--------------------------------|---|
| Dimensions: | w × h × d 14" × 19" × 20" 36cm × 41cm × 51cm |
| Weight: | 35lbs / 16kg |
| Incubator Capacity: | 12 cartridges or microplates |
| Power Requirements: | 100-150V AC 50/60Hz (220-240VAC 50/60Hz export) |
| Power Cord Rating: | 3-wire (grounded) AC power cord rated 10A or greater |
| Power Fuse Ratings: | 5A |
| Room Temperature Range: | 60° to 86°F / 15° to 30°C (No direct sunlight) |
| Internal Temperature: | Incubator and bottle holder calibrated and set to between 25-40°C |
| Data Interface: | RS232c → USB (1 cable with separate Serial to USB adaptor) |

| User | Manual Prep | | XF Prep Station | |
|---------|-------------|----------|-----------------|----------|
| | %CV OCR | %CV ECAR | %CV OCR | %CV ECAR |
| 1 | 12% | 9% | 10% | 8% |
| 2 | 15% | 17% | 12% | 9% |
| 3 | 23% | 40% | 10% | 26% |
| Average | 17% | 22% | 11% | 14% |

Oxygen Consumption Rates [OCR] and Extracellular Acidification Rates [ECAR] obtained with cells prepared manually and with the XF Prep System by three different operators.

Ordering Information

Product: XF Prep Station
Part #: 101200-10
Price: \$14,998



Learn more with our Online Video at www.seahorsebio.com/videos

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