How to Use the Hydro Booster for Improved Hydration and Data Quality on the Agilent Seahorse XFe24 Analyzer

The following instructions describe how to use the Agilent Seahorse Hydro Booster to improve hydration and data quality.

Important: This procedure must be performed 1 day prior to using the Agilent Seahorse Sensor Cartridge for an XF assay. The Hydro Booster must be removed prior to placing the Sensor Cartridge into the Agilent Seahorse XFe24 Analyzer. Failure to do so may result in damage to both the Sensor Cartridge and the XFe24 Analyzer.

Materials

The Agilent Seahorse XFe24 Flux Assay Kit contains (The XFe24 Flux Assay Kit is a component of the XFe24 FluxPak and XFe24 FluxPak mini p/n 102340-100 and 102342-100):

- Cartridge Lid
- Sensor Cartridge
- Hydro Booster
- Utility Plate
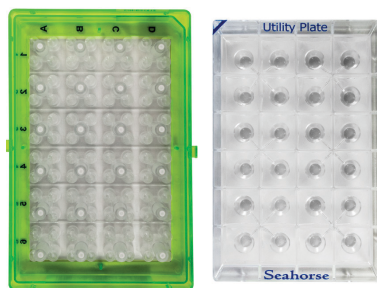- XF Calibrant

Also required, but not included:

- 1 mL pipettor and tips

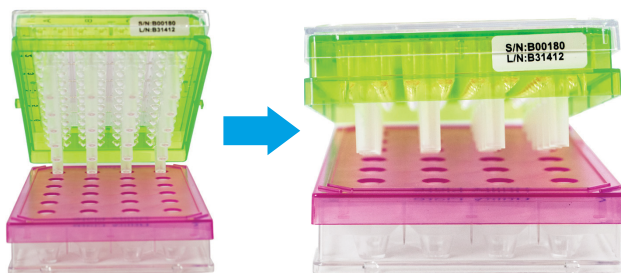**Agilent Technologies**

Procedure

1. Open the XFe24 Flux Assay Kit and remove the contents.

2. Place the Sensor Cartridge next to the Agilent Seahorse Utility Plate.

3. Fill each well of the Utility Plate with 1 mL of Agilent Seahorse XF Calibrant.

4. Place the Hydro Booster on top of the Utility Plate.

5. Lower the Sensor Cartridge through the openings on the Hydro Booster plate, into the Utility Plate, submerging the sensors in XF Calibrant.

6. Verify that the XF Calibrant level is high enough to keep the sensors submerged.

7. Place in a non-CO_2 37 °C incubator overnight. To prevent evaporation of the XF Calibrant, verify that the incubator is properly humidified.

8. Remove the Hydro Booster from between the Sensor Cartridge and Utility Plate, and remove the Cartridge Lid.

9. Load compounds into the ports as required. Place it into the XFe24 Analyzer for calibration.

WARNING:
Remember to remove the Hydro Booster and Cartridge Lid prior to placing the Sensor Cartridge and Utility Plate in the XFe24 Analyzer.

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