



How to Hydrate an Agilent Seahorse XF24 Sensor Cartridge

For use with Agilent Seahorse XF24 Analyzers

Basic Procedure

An important component of the Agilent Seahorse XF Assay platform is the sensor cartridge. Each probe tip of the sensor cartridge is spotted with a solid-state sensor material that detects changes in both pH and O_2 concentration over time to calculate rates. In order for the sensors to function correctly, they must be thoroughly hydrated.

The following instructions describe the recommended procedure and conditions for hydrating an Agilent Seahorse XF24 Sensor Cartridge before running a XF assay.

Materials

Agilent Seahorse XF24 FluxPak containing:

Agilent Seahorse XF24 Extracellular Flux Assay Kit:

1. Cartridge Lid
2. Sensor Cartridge
3. Utility Plate
4. Agilent Seahorse XF24 Cell Culture Microplates
5. Agilent Seahorse XF Calibrant (500 mL)

Also required, but not included:

1. 1 mL pipettor and tips
2. Non- CO_2 incubator at $37^\circ C$



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Procedure

1. Open the Agilent Seahorse XF24 Flux Assay Kit and remove the contents.
2. Place the sensor cartridge upside down next to the utility plate.
3. Fill each well of the utility plate with 1 mL of XF Calibrant.
4. Lower the sensor cartridge onto the utility plate, submerging the sensors in XF Calibrant.
5. Verify the XF Calibrant level is high enough to keep the sensors submerged.
6. Place in a non-CO₂ 37°C incubator overnight. To prevent evaporation of the XF Calibrant, the incubator should be humidified.

Learn more

www.agilent.com/en-us/promotions/seahorse-xf-technology

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