



XF96 Assay Preparation Checklist

Date: _____ Lab Tech: _____ Cell Type: _____

Use this checklist when preparing to run an XF assay.

Status	Task Description
Night before:	
<input type="radio"/>	Prepare unbuffered assay medium: pH to 7.4 @ 37°C
<input type="radio"/>	Hydrate cartridge 12+ hours prior to assay in non-CO ₂ incubator
<input type="radio"/>	Turn on the XF Analyzer and controller, to allow it to assume 37°C temperature
<input type="radio"/>	Create a protocol for the assay from a template, or create a new assay protocol template
Day of Assay:	
<input type="radio"/>	Warm assay medium to 37°C in non-CO ₂ environment
<input type="radio"/>	Prepare injectable compounds using assay medium pH to 7.4 @ 37°C
<input type="radio"/>	Check cells under microscope
<input type="radio"/>	Replace cell culture medium with assay medium
<input type="radio"/>	Place cells in assay medium into non-CO ₂ incubator for 30+ minutes prior to assay run
<input type="radio"/>	Load injectable compounds into ports of cartridge: A B C D
<input type="radio"/>	Place cartridge & utility plate with calibration buffer into XF Analyzer
<input type="radio"/>	Run protocol from template to calibrate cartridge
<input type="radio"/>	Check cells under microscope
<input type="radio"/>	Upon completion of cartridge calibration, load cell culture plate into instrument
<input type="radio"/>	Continue to run assay protocol

Notes: _____



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