



emulate

Protocol for Emulate Organ-Chips:

Glycogen Quantification Assay

April 11, 2019

EP131 v1.0

TITLE Glycogen Quantification Assay	DOCUMENT EP131	VERSION 1.0
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Goals:	Key Steps:	Other Required Materials:
Quantify glycogen from Emulate Organ-Chip cell lysate samples	<ul style="list-style-type: none"> • Prepare all reagents, samples, and standards • Run the assay • Read the plate 	<ul style="list-style-type: none"> • Glycogen Assay Kit (Abcam, ab65620) • Plate reader

1. Method

Sample type	Organ-Chip cell lysate (Liver-Chip: hepatocytes from the top channel) See Protocol EP135 Cell Lysis for Protein Analysis.
Recommended assay flow rate (Liver-Chip)	30 uL / h
Cell lysate dilution range	1:500 to 1:1000
Run assay as described on vendor site	https://www.abcam.com/glycogen-assay-kit-ab65620.html Use vendor's fluorometric protocol for best results.

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