

Batch Report: Cardiac differentiation

Batch ID: A041 | Researcher: Dr Alex Rivera | Generated: 10 August 2026

STATUS	Live	CULTURE TYPE	Differentiation
CELL LINE / GENOTYPE	WTC11 iPSC	PASSAGE	P18
EXPERIMENT	Cardiac programme	PROTOCOL	Cardiomyocyte differentiation v3

Timeline & planning

SEED DATE	D1 DATE	CURRENT AGE	TARGET AGE	PLANNED HARVEST
2026-07-30	2026-07-30	Day 12	21 days	2026-08-19

Culture format & outcomes

FORMAT	SEEDING DENSITY	PREDICTED YIELD	VIABLE YIELD	VIABILITY	ALBUMIN
3 × 6-well plates	250,000 cells/cm2	18.5 million	—	—	—

Notes

Morphology consistent across all wells. Spontaneous contractions expected from day 8 onward. Continue scheduled medium exchanges through harvest.

Feed traceability

DATE	OUTCOME	MEDIUM	MEDIUM LOT / BARCODE	SUPPLEMENT LOTS	PERFORMED BY
2026-08-04	Complete	RPMI 1640 + B-27	RPMI-26-071 / 010506260071	B-27: B27-26-118, CHIR99021: CHIR-9034	Dr Alex Rivera
2026-08-06	Complete	RPMI 1640 + B-27	RPMI-26-071 / 010506260071	B-27: B27-26-118	Dr Alex Rivera
2026-08-08	Complete	RPMI 1640 + B-27	RPMI-26-084 / 010506260084	B-27: B27-26-118	Dr Alex Rivera

Samples

DATE	TYPE	AGE	INCUBATION	VOLUME	LOCATION
2026-08-07	Mycoplasma QC	9	—	1.0 mL	QC freezer · Rack B
2026-08-10	Flow cytometry	12	—	2.0 mL	Analysis queue