

Cardiomyocytes CERTIFICATE OF ANALYSIS

PRODUCT: Custom Service
NOTE: H-7
DATE OF REPORT: 10. Jan. 2022

PRODUCT DESCRIPTION

Cardiomyocytes are human iPSC-derived cardiomyocytes suitable for drug screening, toxicity evaluation and other *in vitro* applications.

Viability

TEST DESCRIPTION	SPECIFICATION	RESULT
Cell Number	$\geq 2 \times 10^6$ cells	2.18 $\times 10^6$ cells
Post-Thaw Recovery	>70% adhere	Pass

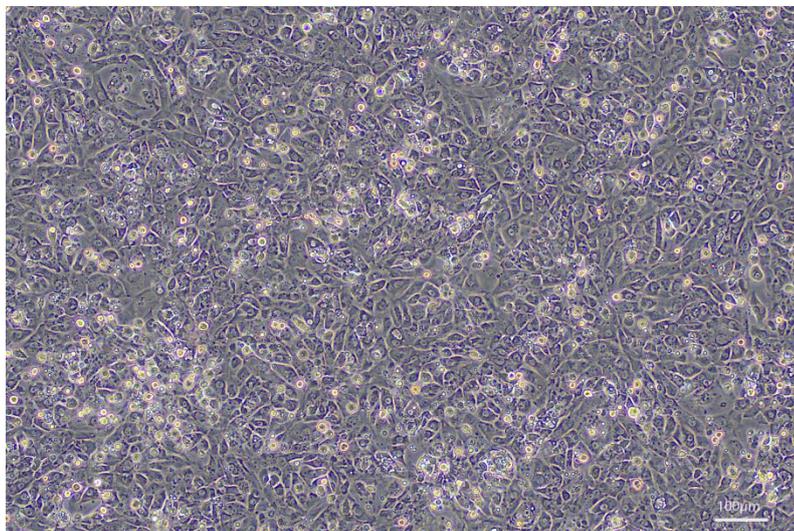
Sterility

TEST DESCRIPTION	SPECIFICATION	RESULT
Bacteria	Negative	Pass
Fungi (Yeast and Mold)	Negative	Pass
Mycoplasma	Negative	Pass

Characterization

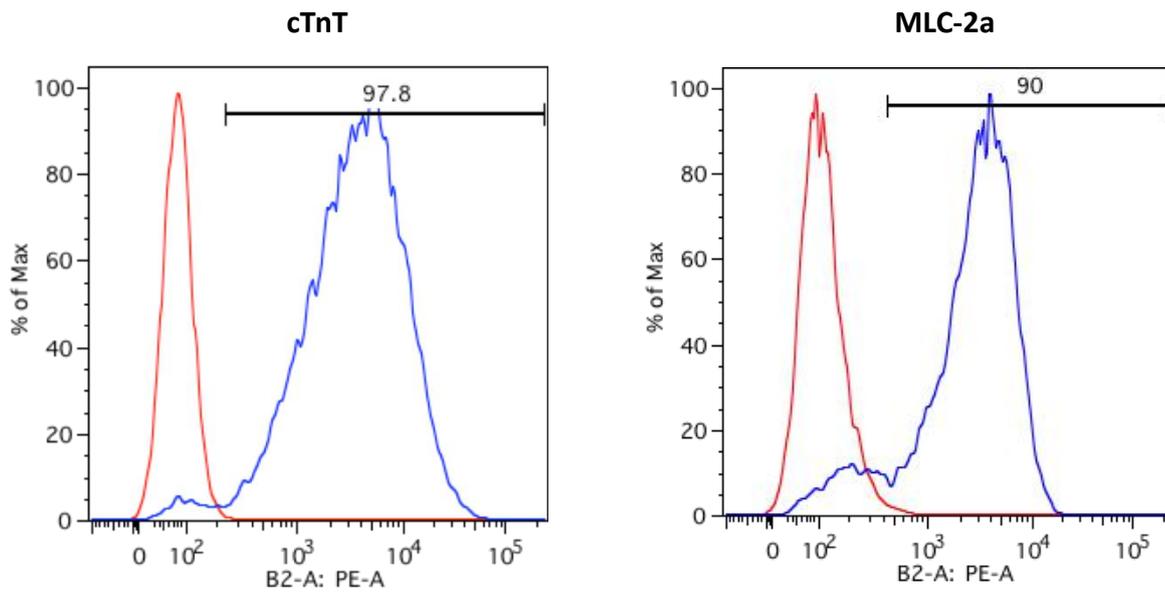
PLURIPOTENCY MARKERS	SPECIFICATION	RESULT
Cardiac Troponin T (cTnT)	>70% cTnT	97.8%

Brightfield



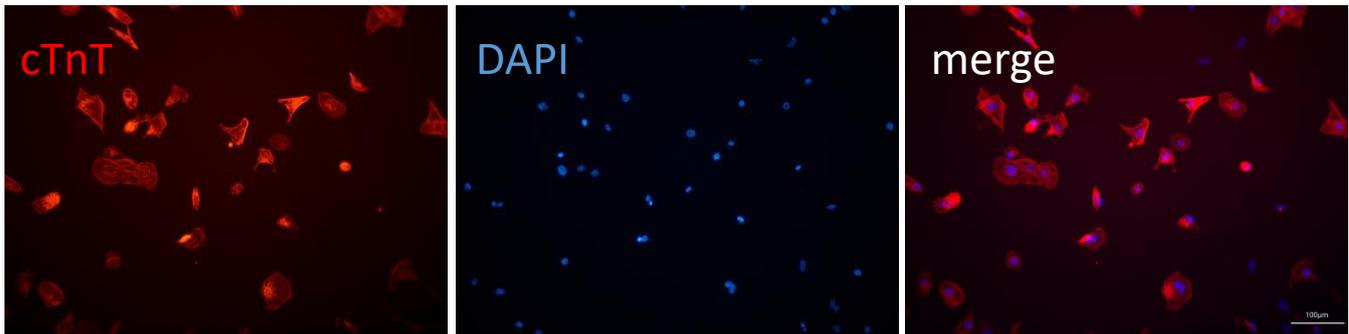
Scale bar 100µm

Flow cytometry analysis of cardiomyocyte marker cTnT and MLC-2a expression in Cardiomyocytes.



Immunofluorescence analysis of cTnT expression in Cardiomyocytes.

Cardiomyocytes were labeled for cTnT(Red). Nuclei were labeled with DAPI (Blue).



Scale bar 100um