

Sample Information		
Sample	XXXXXXX	
WiCell Sample ID/CTR Number	03672	
Passage Number at Assessment	P35	
Assessment Dates	15-Jun-21 & 17-Jun-21	

Assay Description

Sample is differentiated through direct differentiation culture using the STEMCELL Technologies Inc. STEMdiffTM Trilineage differentiation kit. Expression of specific lineage markers by flow cytometry is assessed following 5 days of culture for Endoderm and Mesoderm lineages, and following 7 days of culture for the Ectoderm lineage. Results are reported as the percent of total cells with positive expression for both lineage markers simultaneously (Dual Positive Expression).

Results			
Lineage	Lineage Markers	% Dual Positive Expression	
Endoderm	CXCR4, SOX17	85	
Mesoderm	BRACHYURY, NCAM	92	
Ectoderm	NESTIN, PAX6	58	

Interpretation

Dual positive marker expression was observed for each lineage assessed, endoderm, mesoderm and ectoderm. Observation of marker expression in all three lineages is consistent with pluripotency of the cell line.

Approvals		
X	X	
Tech #1	QA Review	
Characterization	Quality Assurance	

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