



## Assessment of Pluripotency

FORM SOP-224.01  
Version 1.0

### Sample Information

Sample	XXXXXXXX
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. STEMdiff™ 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

<b>X</b> _____ Tech #1 Characterization	<b>X</b> _____ QA Review Quality Assurance
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