◆ KTRH05

Clone ID	SeV-Ff-iPSC-SCS_KTRH05_P9	**Product**	Human iPS cells
Source	Peripheral Blood, Human	**Race**	Caucasian
Passage No.	9	**Gender**	Female
Lot No.	Fit__04KTRH05-220519	**Manufacture Dates**	June 6th, 2022
Culture medium	StemFit AK03N	**Substrate**	iMatrix-511MG
Culture method	Feeder-free (※1)	**Grade**	Clinical grade
Reprograming method	Sendai-virus		
Use and Provision of this cell stock	Please visit our web site for details ; https://www.cira-foundation.or.jp/e/project/stock.html		

（※1）**Reference;** Nakagawa, *et. al*., Nat Biotechnol. 2008 26(1):101-106

Test Result

Test	Method	Result
Sterility	Direct inoculation method	Negative
Mycoplasma	qPCR	Negative
Endotoxin	LAL	≦ 5 EU/mL
Virus（HBV, HCV, HIV, HTLV, Parvovirus B19）	qPCR	Negative
HLA typing（HLA-A, B, DR）	PCR-SBT	Consistent with the donor cells
STR genotyping	PCR	Consistent with the donor cells
Morphology	Microscope	Consistent with human ES cells
Karyotype	G-banding	46,XX[20]
SeV remnants	qPCR	Below the limit of quantification
CNV(※2)	WGS, SNP	No de novo CNVs (>1kbp) were found in CDS.
SNV/Indel l(※3)	WGS	No de novo non-synonymous SNVs/Indels were found in COSMIC Cancer Gene Census (ver.92) and Shibata list(※4).
Undifferentiated markers	Flow cytometry	TRA-1-60(+) ; 98.8% SSEA4(+) ; 99.5% TRA-2-49(+) ; 99.5% OCT3/4(+) ; 99.8%
Thawed postnatal cells	Counting the number of the cells (※5)	2.13 x 10^5 cells（Survival rate; 83.3%）
Number of proliferating	Counting the number of the	24.57 × 10^5 cells（Number of seeded cells;

cells after thawing	cells after culturing for 6 days(※6, 7).	0.65 × 10^5 cells）
Cardiac differentiation	Flow cytometry	Troponin T(+); 64.6%

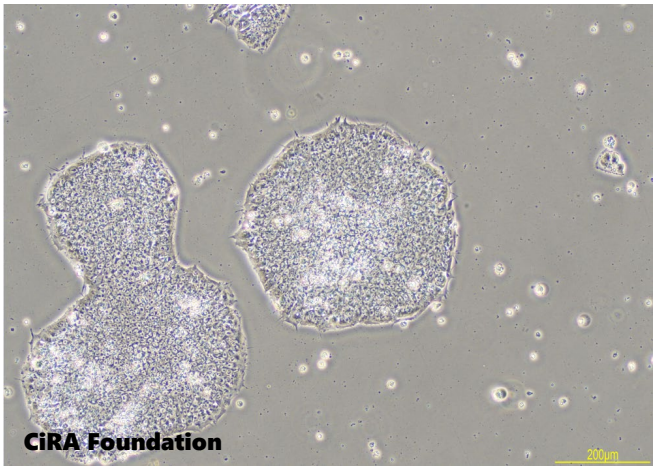
（※2）CNV; Copy Number Variation

（※3）SNV/Indel; Single nucleotide variants /Insertion Deletion

（※4）The PMDA Science Board “Current Perspective on Evaluation of Tumorigenicity of Cellular- and Tissue-based Products Derived from induced Pluripotent Stem Cells (iPSCs) and iPSCs as Their Starting Materials”（Cellular- and Tissue-based Products Subcommittee, 20 August 2013）

（※5）NucleoCounter NC-200

■Image



Please contact us if you have any questions.

(ips-request@cira-foundation.or.jp)