◆ QHJI01s04 SCS

(QHJI; iPS cells with the most common HLA type in Japan(*1))

Clone ID	SCS_QHJI01s04_P12	**Product**	Ff-iPSC
Source	Peripheral Blood Mononuclear Cell, Human	**Race**	Japanese
Passage No.	12	**Gender**	Male
Label Name	Fit__04SCS(QHJI01s04)-251031	**Manufacture Dates**	18-Nov-2025
Culture medium	StemFit AK03N	**Substrate**	iMatrix-511MG
Culture Method	Feeder-free (*2)		
Use and Provision of this cell stock	Please check our web site ; https://www.cira-foundation.or.jp/e/provision-of-ips-cells/manufacturing-flow/		

(*1) **Reference;** Okita, *et. al.*, Nat Methods. 2011 8(5): 409-412

(*2) **Reference;** Nakagawa, et. al., Sci. Rep. 2014 4: 3594

Test Result

Test	Method	Result
Sterility	Direct Inoculation Method (Outsourcing)	Negative
Mycoplasma	NAT (Outsourcing)	Negative
Endotoxin	LAL	＜ 0.01433 EU/mL
Virology (HBV, HCV, HIV, HTLV, ParvoB19)	PCR	Negative
Morphology	Microscope	Consistent with human ES cells
Thawed postnatal cells	Cell count(*3)	2.15 x 10^5 cells (Survival rate: 91.1%)
STR genotyping	PCR, Capillary electrophoresis (Outsourcing)	Consistent with the donor cells
HLA analysis	Sanger sequencing (Outsourcing)	Consistent with the donor cells
Undifferentiated markers	Flow cytometry	TRA-1-60(+) :98.26 % SSEA4(+); 99.96 % TRA-2-49(+); 99.98 % OCT3/4(+); 98.79 %
Karyotype	G-banding	46,XY[20]
CNV(*4) (*5)	WGS, SNP	No de novo CNVs with1kbp or longer and in a protein-coding region (CDS) were found in COSMIC Cancer Gene Census (ver.96) and Shibata list(*6) .
SNV/Indel(*4) (*5)	WGS	No de-novo non-synonymous SNVs/Indels were found in COSMIC Cancer Gene Census (ver.96) and Shibata list (*6).
Cardiac differentiation(*4)	Reference: " Funakoshi et al., 2016, Sci Rep."	TnT(+) ＝ 67.67 %
Number of proliferating cells after thawing	Counting the number of the cells after culturing for 6 days(*3).	20.70 ×10^5 cells（Number of seeded cells : 0.65 ×10^5 cells）
Confirmation of attachment (*4)	Microscope	Confirmation of Attachment and Proliferation
Residual plasmid (*7)	qPCR	Not detected

（*3）NucleoCounter® NC200

（*4）Reference test: these are not related to the product release.

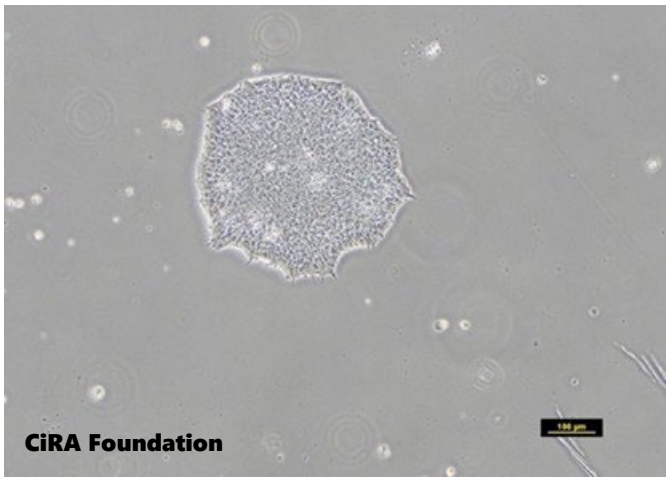
（*5）CNV; Copy Number Variation , SNV/Indel; Single nucleotide variants /Insertion Deletion

（*6）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）

（*7）Note: Data for the parent cell line "Ff-iPSC-SCS_P9(QHJI01)33," which serves as the source for this stock, is

provided. Some values fell below the calibration curve range, but the significance of this is unclear.

■**Image**



Scale bar: 100 μm

Please contact us if you have any questions.

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