



◆ Ff-I14s04-AB II-KO-24(DRXT; iPS cells expressing the 3rd HLA in Japan※1)

Clone ID	Ff-XT28s05_cont	Product	Human iPS cells
Source	Peripheral Blood, Human	Race	Japanese
Passage No.	13	Gender	Male
Label Name	20170715-08	Manufacture Dates	May. 7 th , 2019
Culture medium	StemFit AK03N	Substrate	iMatrix-511MG
Culture Method	Feeder-free (※2)		
Genome-editing techniques	-		
Use and Provision of this cell stock	Please check our web site ; https://www.cira-foundation.or.jp/e/project/index.html		

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

(※2) **Reference;** Huaigeng Xu, *et al.* Targeted Disruption of HLA Genes via CRISPR-Cas9 Generates iPSCs with Enhanced Immune Compatibility. Cell Stem Cell. 2019 Apr 4;24(4):566-578.

For Research Use Only

Test Result

Test	Method	Result
Sterility	BacT/ALERT	Negative
Mycoplasma	PCR	Negative
Endotoxin	LAL	≤ 5 EU/mL
Morphology	Microscope	Consistent with human ES cells
STR genotyping	PCR	Consistent with the donor cells
Karyotype	G-banding	46,XY[19]/47,XY,+8[1]
SNV/Indel(※3)	WES	No de-novo non-synonymous SNVs/Indels were found in COSMIC Cancer Gene Census (ver.88) and Shibata list (※4).
Thawed postnatal cells	Counting the number of the cells (※5)	1.94±0.48 × 10 ⁵ cells (Survival rate ; 83±6 %)
Number of proliferating cells after thawing	Counting the number of the cells after culturing for 6 days(※5).	9.77 × 10 ⁵ cells (Number of seeded cells : 0.98 × 10 ⁵ cells)

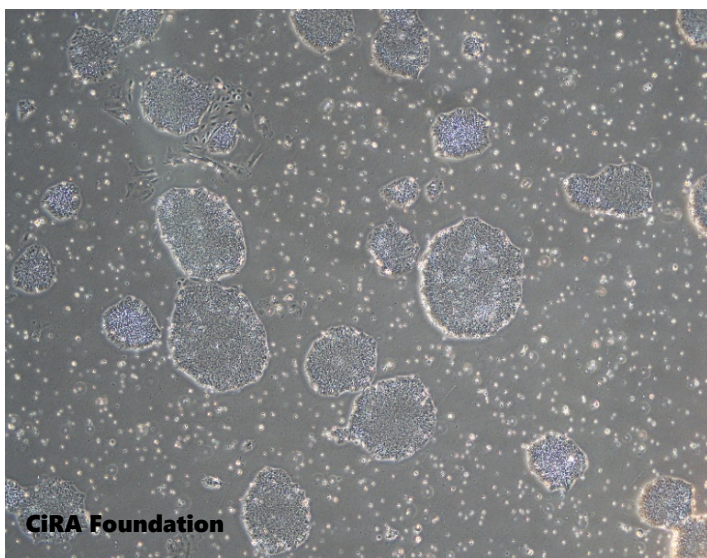
(※3) SNV/Indel; Single nucleotide variants /Insertion Deletion

(※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) ThermoFisher Countess II®



■ Image



Please contact us if you have any questions.

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