

Clone name	iPS-TIG114-4f1
Species	Human
Source	TIG-114 (JCRB0534; JCRB Cell Bank)
Prepared by	Dr. Kazutoshi Takahashi Center for iPS Cell Research and Application Institute for Integrated Cell-Material Science (iCeMS)
Morphology	Epithelial-like
Transgene	Human OCT3/4, Human SOX2, Human KLF4, Human c-MYC (in pMXs retroviral vectors)
Life span	infinite
Recommended culture medium	1) Primate ES cells medium (ReproCELL) supplemented 4ng/ml bFGF or 2) DMEM/HAM F-12 387mL KSR 100mL Non-essential amino acid solution(100X) 5mL L-glutamine(0.2M) 5mL 2-ME(55mM) 1mL <u>Penicillin/Streptomycin(10U/L, 10mg/L) 2.5mL</u> Total volume 500mL supplemented Human bFGF solution (10 $\mu$ g/mL) 0.2mL/500mL medium
Recommended passaging solution	0.25%Trypsin, 0.1mg/ml collagenase IV, 1mM CaCl <sub>2</sub> , 20% KSR
Recommended freezing solution	2M DMSO, 1M acetamide and 3M propylene glycol in DMEM/F12+KSR
Recommended feeder cells	SNL
storage	Vapor phase of a liquid nitrogen tank
Marker expression	Oct3/4: positive Sox2: positive Nanog: positive. SSEA-1: negative. SSEA-3: positive TRA-1-81: positive
Term and condition for distribution	1) The recipient agrees to use the cells for academic

	<p>research purpose only.</p> <p>2) The recipient must execute a material transfer agreement with KYOTO UNIVERSITY.</p>
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