

Certificate of Analysis (CoA) for induced Pluripotent Stem Cells

This product is for research only

| | | | |
|----------------|----------|--------------------|------|
| Cell Line Name | YUi004-A | Batch / Lot Number | M001 |
|----------------|----------|--------------------|------|

| | | | |
|------------------------------|---|--------------------------------|-----------------------------------|
| Reprogramming Method | Sendai (POU5F1, SOX2, MYC and KLF4) | | |
| Passage Number | 15 | Cell number / vial | 1x10E6 |
| Culture Matrix | Matrigel™ | Culture Medium | mTeSR™-1 |
| O ₂ Concentration | 21% | CO ₂ Concentration | 5% |
| Passaging Method | EDTA | Additional Culture Information | Rho kinase inhibitor used at thaw |
| Cryopreservation Medium | Cryostor CS10 | | |
| Recommendation for thawing | Recommended thaw into 2 x 60mm plate(s) Refer to cell line user protocols for further guidance at www.EBiSC.org | | |
| Additional Comments | Slow recovery after thaw, slow growth to confluency | | |

Please see <https://cells.ebisc.org/> for further information on Quality Control and characterisation applied to lines released by EBiSC. The following standard testing criteria have been determined within EBiSC, prior to release of this product:

| Test | Assay | Acceptance Criteria | Result |
|--------------------|--|--|--|
| Sterility | Inoculation for microbiological growth | Not Detected | Pass |
| | Mycoplasma | Not Detected | Pass |
| | Virology (HBV, HCV, HIV1, HIV2) | Not Detected | Confirmed Pass by depositor |
| Cell Line Identity | STR / Fingerprinting | 85% match to donor Sex match to donor | Allele data recorded and available upon request. First profile recorded. Sex match to donor. |
| Viability | Visual Assessment | Growth to confluence post-thaw | Low, slow recovery |
| Phenotype | Continuous visual assessment of iPSC colony morphology | Recorded | Typical PSC colonies with low differentiation levels |

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| | Flow Cytometry | SSEA-4 > 70% + TRA-1-60 > 70% + SSEA-1 < 10% + POU5F1 > 70% + | SSEA-4 → pass TRA-1-60 → pass SSEA-1 → fail (57,5%) POU5F1 → pass |
| Differentiation Potential | Trilineage differentiation and qPCR for trilineage markers | Up-regulation of germ layer markers | Endoderm: Pass Mesoderm: Pass Ectoderm: Pass |
| Genomic Stability | G-Banding (10- 20 successful karyotypes recorded) | Sex match to donor. | No chromosomal abnormalities detected |

Additional guidance on storage, safety and usage can be found in the [EBiSC Technical Information](#).

Approved CoA

Signature



Date

26.06.2026