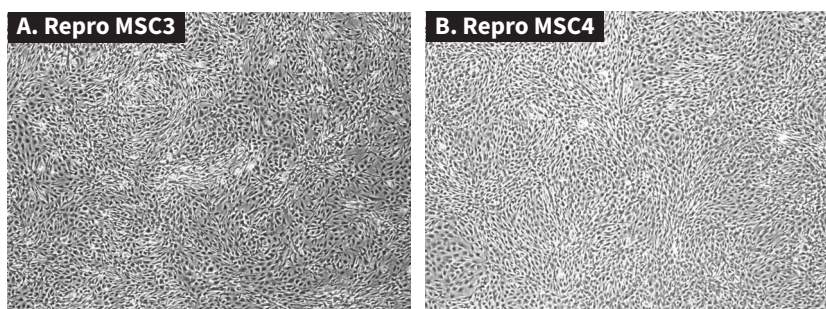


# Repro MSCs

## iPSC derived Mesenchymal Stem Cells

REPROCELL offers a variety of ready-to-ship products to support Mesenchymal Stem Cell (MSC) research, including iPSC-derived cell lines, media, and other culture reagents. The RNA-iPSC derived-MSCs can be easily used for trilineage differentiation and exosome production to promote a variety of disease models for research.



**Figure 1. (A.)** Repro MSC3 cells in MSC NutriStem medium (cat. No. 01-0006), and **(B.)** Repro MSC4 cells in MSC NutriStem medium, Phenol Red-free (cat. No. 01-0007), both at passage 8, showing morphology consistent with iPSC-derived MSCs.



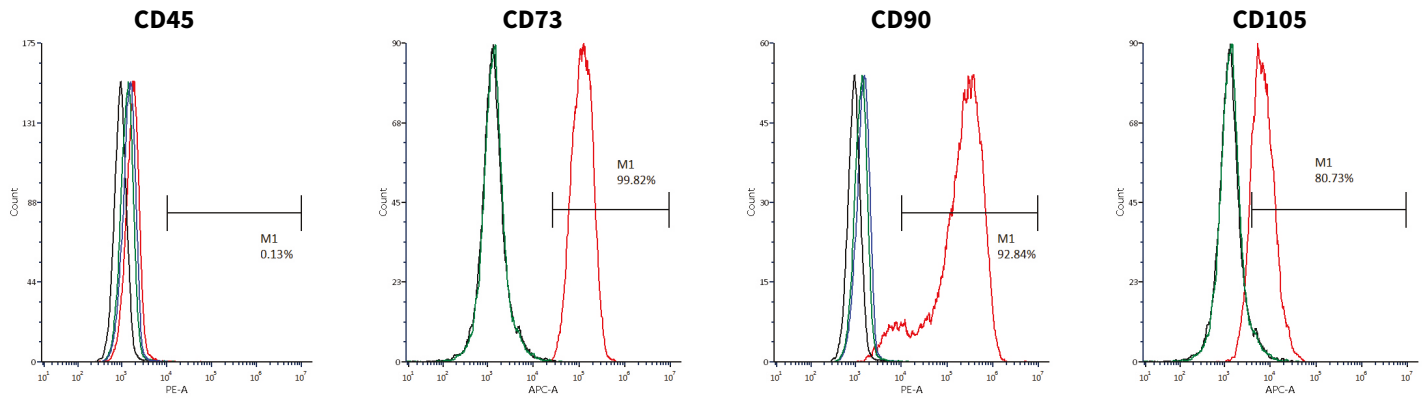
## REPROCELL's Research MSC Lines: Repro MSCs

Repro MSCs are human iPSC-derived mesenchymal stem cell lines with minimal lot-to-lot variability that have the potential to differentiate into all 3 MSC lineages (adipocytes, chondrocytes and osteocytes). Repro MSCs are created from human iPSCs generated using REPROCELL's StemRNA™ 3rd gen RNA reprogramming technology.

Product Name	Product Code	Strain ID	Donor Race	Donor Sex	Donor Age	Donor Clinical Status	iPSC Source Strain	Phenol Red-free?
Repro MSC3	RCRP025	RPChMSC003	Asian-Indian	Female	20	Healthy	RPChiPSSK003.2 (Cat No RCRP011N)	No
Repro MSC4	RCRP026	RPChMSC003	Asian-Indian	Female	20	Healthy	RPChiPSSK003.2 (Cat No RCRP011N)	Yes

Quality control of Repro MSCs includes:

- Sterility, mycoplasma and viral pathogen testing
- G-band karyotyping
- Trilineage differentiation (Osteocytes, Adipocytes and Chondrocytes)
- Flow cytometry characterization (CD73+, CD90+, CD105+ and CD45-)



**Figure 2.** Repro MSC3 cells were cultured in MSC NutriStem XF Medium, Phenol Red-free (Cat. No. 01-0006) on NutriCoat™ Attachment Solution (Cat. No. 05-0063).

**Note: These MSC cell lines are developed for research use only.** They are NOT suitable for use in clinical projects. MSCs for clinical use are also available. Please contact [info-us@reprocell.com](mailto:info-us@reprocell.com) for more information.

## Related Products Available From REPROCELL

Product Name	Product Code	Pack Size
Repro MSC3 iPSC-derived MSCs	RCRP025	1 vial (1 × 10 <sup>6</sup> cells)
Repro MSC4 iPSC-derived MSCs (phenol red-free)*	RCRP026	1 vial (1 × 10 <sup>6</sup> cells)
MSC NutriStem Medium	01-0006	500 mL
MSC NutriStem Medium (phenol red free)*	01-0007	500 mL
MSC NutriStem® XF Supplement Mix	05-0061	3 mL
NutriCoat™ Attachment Solution	05-0063	1.5 mL
StemRNA™ 3 <sup>rd</sup> Gen Reprogramming Kit	00-0076	1 kit

\*These products are recommended for culturing Repro MSC4 or client iPSC-derived MSC lines to be used for exosome derivation.



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