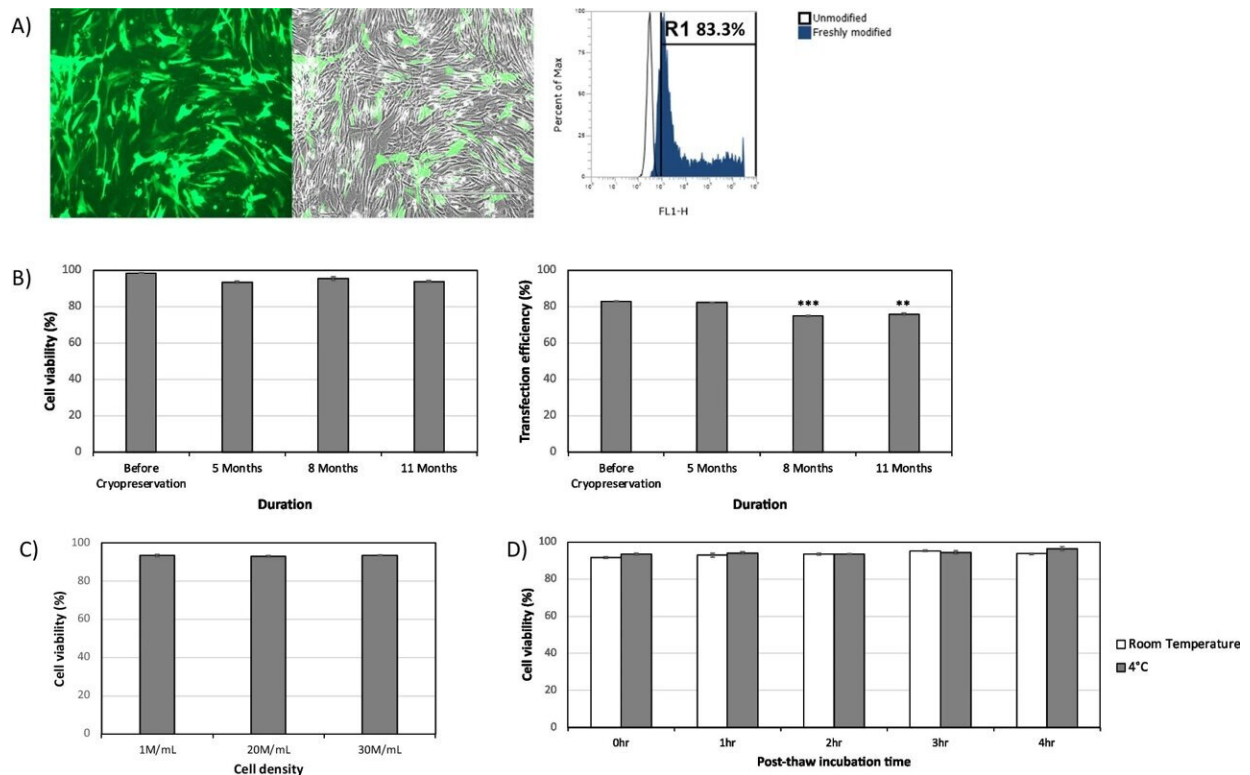


Novel cancer therapy extends lives of terminally ill dogs

January 30 2023



Cryopreservation and storage stability of MSC overexpressing CD::UPRT::GFP. (A) Cell images and transfection efficiency FACS profile of MSC overexpressing CD::UPRT::GFP before cryopreservation. Briefly, cells were plated and left overnight before addition of polyplex. 24 h post transfection, cells from multiple dishes were harvested and combined to obtain sufficient cells for storage and analysis. Flow cytometry (FACS) analysis was performed using CytoFLEX LX equipped with a FITC channel for GFP detection. Representative images are displayed. (B) Cell viability percentage was assessed using dye-exclusion assay (AO/DAPI, Chemometec) and transfection efficiency (flow

cytometry analysis) for cryopreserved MSC overexpressing CD::UPRT::GFP at 5 months, 8 months and 11 months post cryopreservation. Significant differences in transfection efficiencies between modified MSCs before and post cryopreservation were calculated using two-tailed Student's t test. **P

Citation: Novel cancer therapy extends lives of terminally ill dogs (2023, January 30) retrieved 1 February 2023 from <https://medicalxpress.com/news/2023-01-cancer-therapy-terminally-ill-dogs.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.