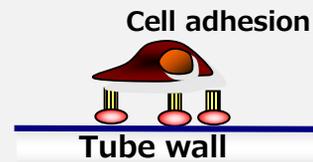
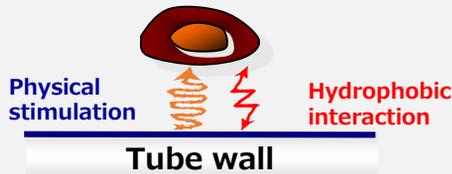


- ✓ Superhydrophilic polymer coating to prevent cell adhesion to the walls of centrifuge tubes and provide high recovery of cells after centrifuge
- ✓ The superhydrophilic polymer is covalently bound to tube surface to minimize its elution amount
- ✓ Specification:
 - Operation Condition : -80 °C to 40 °C
 - Centrifuge speed : Up to 4,640 g
 - Storage Condition : R.T.
 - Shelf Life : 2 years
 - Radiation Sterilized

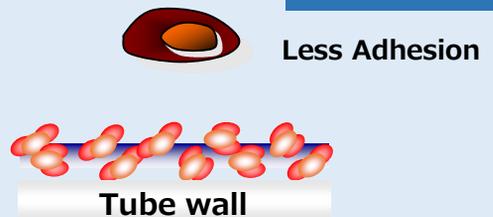
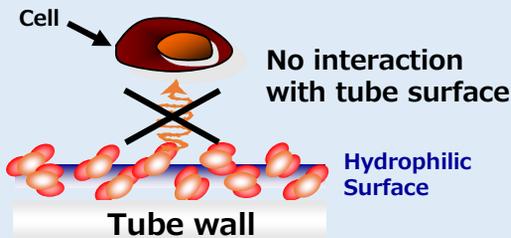


Conventional tube



LOW Recovery

STEMFULL

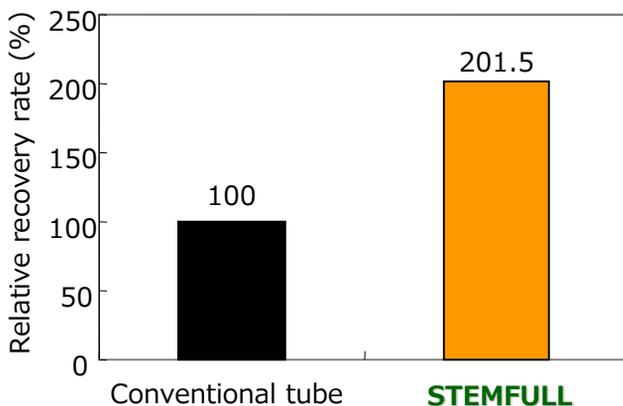


HIGH Recovery

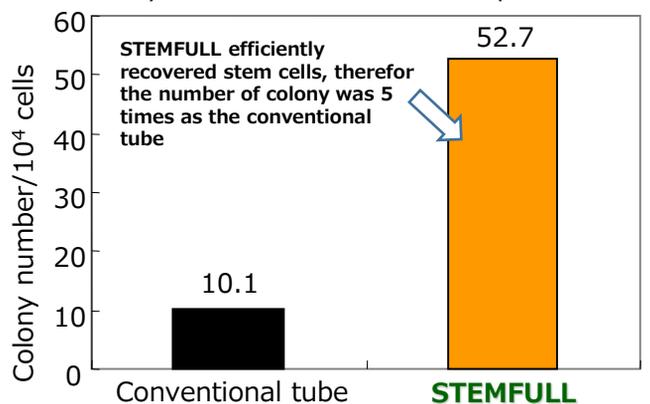
Corneal epithelial cells and corneal stem cells recovery

Data provided by Dr. Masakazu Yokoo, Dept. Ophthalmology, The University of Tokyo Hospital

Corneal epithelial cell recovery



Colony isolation rate of corneal epithelial cell



MSCs storage and recovery using Cellstor™ solutions

Data provided by: Research and Development Center,
Otsuka Pharmaceutical Factory, Inc.

Cellstor-S is a cell suspension and preservation solution, and Cellstor-W is a cell wash and preservation solution manufactured by Otsuka Pharmaceutical Factory, Inc.
※They are reagents for research use and are not intended for medical use in humans or animals.

For more information please visit:

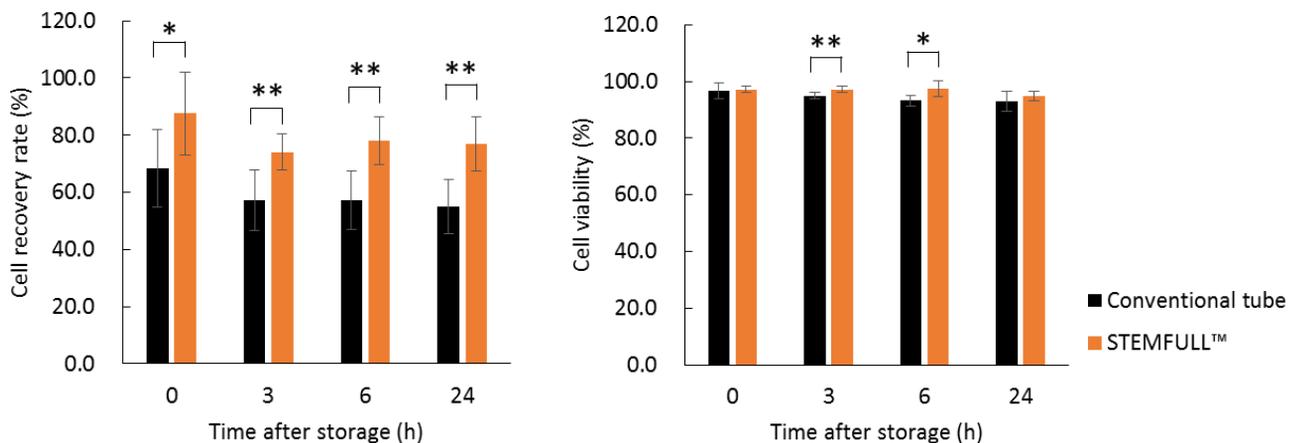
https://www.otsukakj.jp/en/news_release/pdf/20190926.pdf

<https://labchem-wako.fujifilm.com/us/category/01692.html>



Experiment 1	
Cell	Human adipose-derived MSCs (hAD-MSCs)
Cell density	5×10^5 cells/mL
Method	hAD-MSCs suspended in Cellstor-W or Cellstor-S were added into conventional or STEMFULL tube and stored at 5°C. Cell recovery and cell viability were evaluated over time.

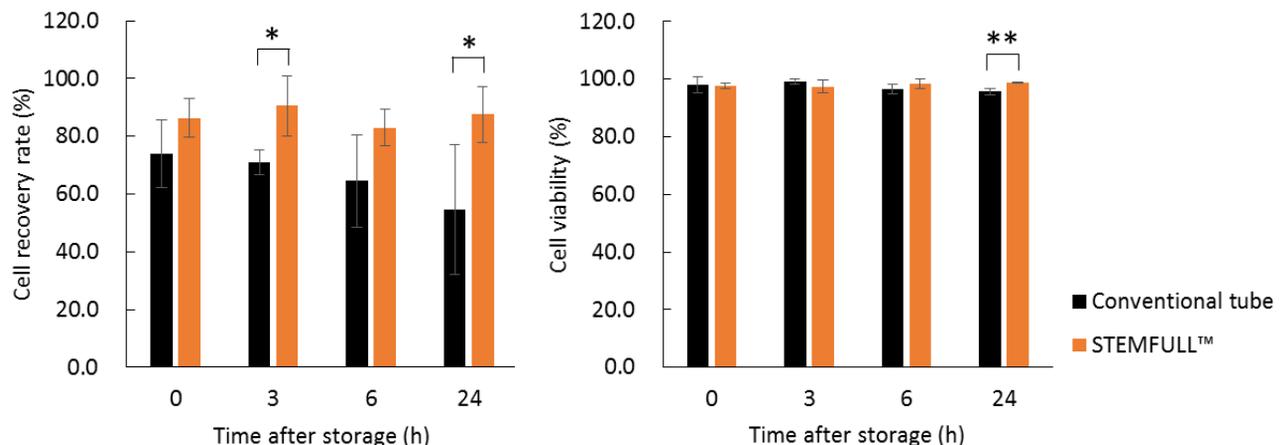
Solution: Cellstor-W



Mean \pm SD (n=6), *, $p < 0.05$, **, $p < 0.01$ Student's t test

No significance difference was found between 0 hours and other time points after storage in both tubes (Dunnett's test)

Solution: Cellstor-S



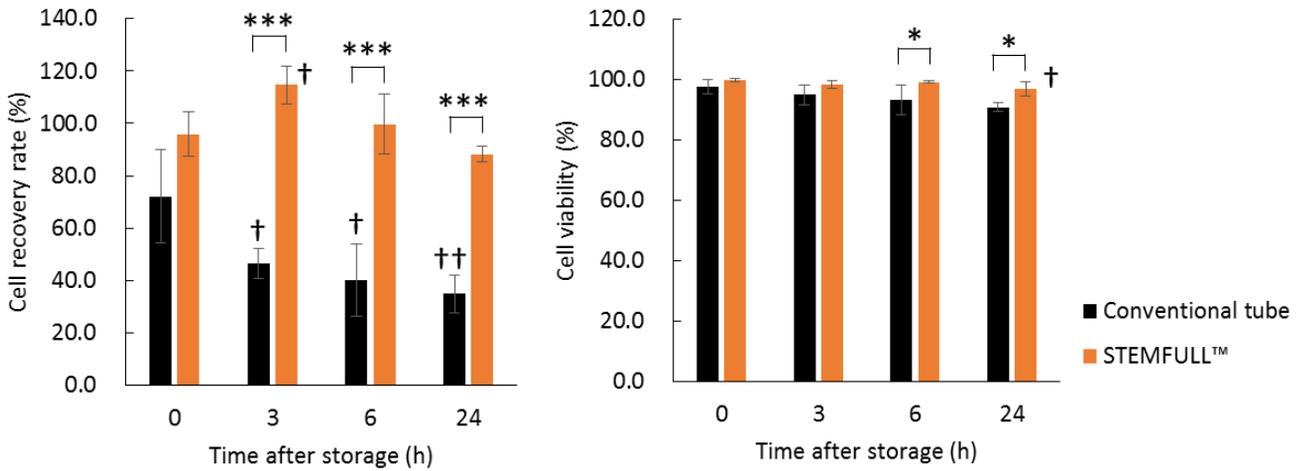
Mean \pm SD (n=4), *, $p < 0.05$, **, $p < 0.01$ Student's t test

No significant difference was found between 0 hours and other time points after storage in both tubes (Dunnett's test)

Storage of hAD-MSCs suspended in Cellstor-W or Cellstor-S at 5°C in STEMFULL maintained a high cell viability and a higher cell recovery rate for at least 24 hours than storage in a conventional tube.

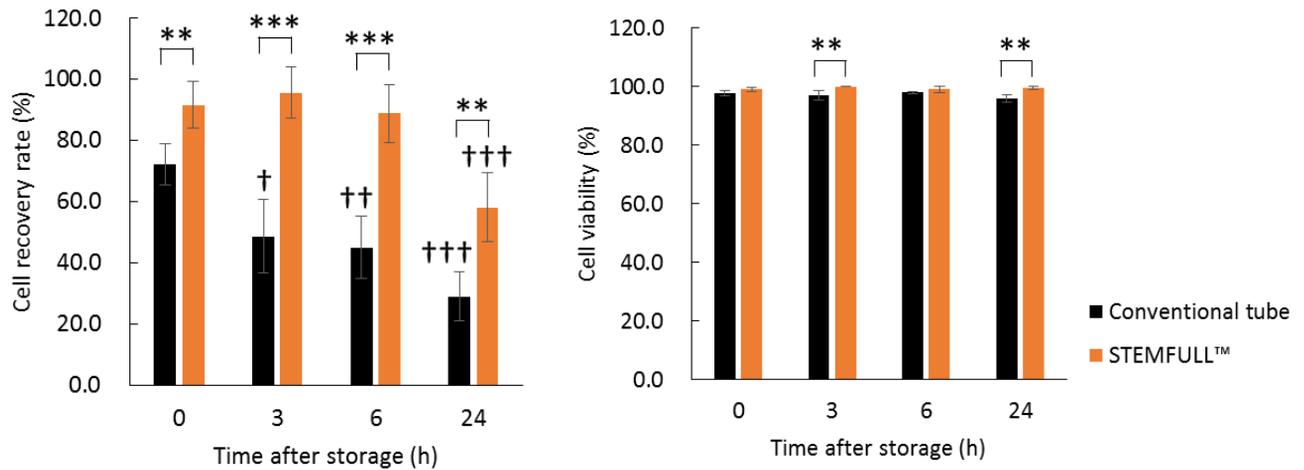
Experiment 2	
Cell	Human adipose-derived MSCs (hAD-MSCs)
Cell density	5×10^5 cells/mL
Method	hAD-MSCs suspended in Cellstor-W or Cellstor-S were added into conventional or STEMFULL tube and stored at 25°C. Cell recovery and cell viability were evaluated over time.

Solution: Cellstor-W



Mean \pm SD (0, 3, 6 h; n=4, 24 h; n=3), *, p<0.05, ***, p<0.001 Student's t test
 †; p<0.05, ††; p<0.01, 0 vs. other storage time (Dunnett's test)

Solution: Cellstor-S



Mean \pm SD (n=4), **, p<0.01, ***, p<0.001 Student's t test
 †; p<0.05, ††; p<0.01, †††; p<0.001, 0 vs. other storage time (Dunnett's test)

Storage of hAD-MSCs suspended in Cellstor-W or Cellstor-S at 25°C in STEMFULL maintained a high cell viability. Storage in Cellstor-W maintained a higher cell recovery rate for at least 24 hours and in Cellstor-S for 6 hours than storage in a conventional tube.