

FAT STEM CELLS

netcells
cryogenic storage for life

In addition to Netcells' Cell Banking, reDermis® offer Cell-based Regenerative Therapeutics to restore aesthetic, dermatological & other medical conditions.

reDermis®
autologous regeneration



0861 NETCELLS
Head Office: 011 697 2900
info@netcells.co.za

www.netcells.co.za



**YOUR FAT CONTAINS MILLIONS
OF PRICELESS MESENCHYMAL
STEM CELLS ... COLLECT THEM AND
PRESERVE A CELL RECORD OF
YOUR BIOLOGICAL AGE.**



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Collect your fat stem cells following liposuction and have these cryogenically frozen and stored for your future use.

What are mesenchymal stem cells?

Mesenchymal Stem Cells (MSCs) are stem cells that differentiate into many tissues of the body. These MSCs have been shown to be extremely robust and easily replicated thus making them ideal for cell therapy and transplantation.

Where are mesenchymal stem cells found?

MSCs have been sourced in bone marrow and in a smaller numbers, in the umbilical cord blood itself. Compared to these sources, MSCs can however be found in more considerable numbers in the Wharton's Jelly of the umbilical cord tissue and in adipose (fat) tissue of adults.

What can mesenchymal stem cells be used for?

MSCs are being employed in both research and clinical environments for a variety of aesthetic and medical conditions that include: skin regeneration (wound healing and burns, scar remodeling, the protection from and repair of UV light damage, antioxidant effects against free radicals, skin pigmentation disorders); neurology (nerve regeneration and repair in multiple sclerosis, stroke, Parkinson's); orthopedics (cartilage, bone repair); sports injury (tendon, ligament repair); cardiology (heart muscle regeneration); reconstructive surgery (fat autografts); and many other clinical areas.

Who can use these stem cells?

These stem cells are stored for your personal (autologous) use and always represent a perfect match for your body with no risk of rejection if transplanted.

What are the chances of you needing these stem cells?

As medical research progresses, the likelihood of needing these cells for medical reasons increases. For aesthetic purposes you can use these cells as and when required.



One of our cryogenic storage tanks, Midrand, Johannesburg

Why should I store my mesenchymal stem cells?

- As we age, so do our stem cells. By collecting your fat stem cells you preserve a cell record of your biological age to possibly use at a later age;
- If you are having a liposuction for aesthetic purposes, you may as well store these precious stem cells instead of discarding them as medical waste.

Why should I consider Netcells to store my mesenchymal stem cells?

- Netcells is the only Cell and Tissue Bank on the African continent offering this service;
- Netcells already safely stores the stem cells of thousands of babies;
- Netcells has been involved in the processing, storage and thawing of peripheral blood stem cells that have been successfully used by oncologists in transplantations;
- Netcells is in partnership with international scientists that have researched and studied stem cells for over 20 years and are currently involved in treating patients using stem cells;
- Netcells complies with international accreditation standards.