

Why are stem cells vital to my baby's future?

Umbilical cord blood stem cell collection and storage.



**Cells4Life**

The experts in stem cell storage

# Why Stem Cells?

Stem cells are found in the blood of the umbilical cord. They have the unique ability to transform into any kind of cell in the human body.

Storing your newborn child's stem cells is a unique opportunity to use nature's own building blocks to treat a variety of conditions now and in the future.

The collection and storage of umbilical cord blood immediately after birth provides a perfectly matched source of stem cells to that Child, that are available without delay should the need for treatment arise.

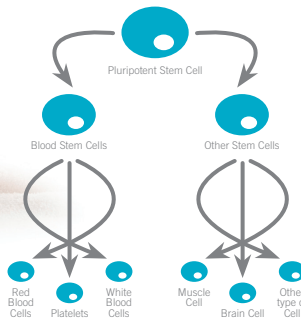
Published scientific evidence suggests that cryogenically preserving minimally manipulated whole UCB (as we do at **Cells4Life**) vastly increases the recovery rate of all cells types when needed for therapeutic purposes. This includes the cell types indentified e.g. MSC, HSC, VSELs and other cell types not yet identified.

Recent research has shown that umbilical cord blood stem cells can be stimulated to change into cells other than blood cells such as; muscle, liver or nerve cells.

This may offer further possibilities for the treatment of many other conditions where cells are missing or deteriorate.

## Examples include:

- Ischemic Heart Disease
- Diabetes
- Osteoarthritis
- Liver Failure
- Multiple Sclerosis
- Spinal Cord Regeneration
- Parkinson's Disease
- Alzheimer's
- Cystic Fibrosis
- Ovarian Cancer



# What can be **treated today?**

## The Facts

- Currently there are more than 80 conditions that can be treated by stem cells such as brain tumors, osteoporosis & leukaemia.
- The first umbilical cord blood transplant was done in 1988. More than 20 years on, the recipient is well and a father in his own right.
- Over 20,000 transplants have taken place to date.
- Of these 20,000, 70% have been used for Leukaemia's and Anaemia's.
- Approximately 70% of all transplants have been done on siblings.
- Single patient analysis, have shown amazing results in treating Children with Cerebral Palsy by stem cells.

## Other examples include:

- Blood Malignancies
- Lymphoid Malignancies
- Thalassemia
- Sickle Cell Disease
- Multiple Myeloma
- Genetic Disorders
- Immunodeficiency's
- Bone Marrow Failure Syndromes
- Hodgkin's Lymphoma
- Non-Hodgkin's Lymphoma
- Plasma Cell Leukaemia

Stem cell technology is advancing rapidly and increasing research reveals the remarkable properties of these cells.

There are now clinical trials of stem cell therapy in ischemic heart disease which, if successful, would suggest that long-term storage of these cells may be invaluable.

Umbilical cord blood stem cells can be safely stored for many years offering possible future uses in yet unknown fields.



# The **Cells4Life** Service

**Cells4Life** offer a unique and quality service providing parents and healthcare professionals with the highest level of information and support in umbilical cord blood stem cell collection and storage.

Scientifically, whole blood storage is the best way to store a child's cord blood as it provides more opportunities for use in the future. Additionally, storing a piece of the umbilical cord complements whole cord blood storage, giving the maximum amount of stem cell groups.

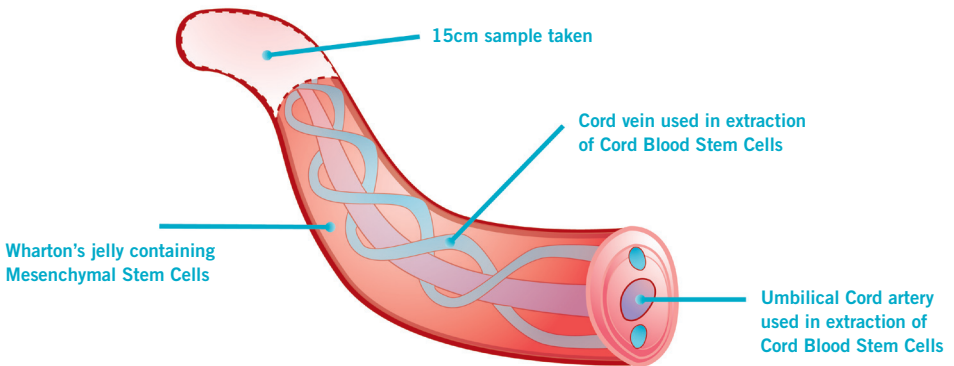
A **Cells4Life** tissue and whole blood sample will contain Hematopoietic Stem Cells (HSCs), all types of Mesenchymal Stem Cells (MSCs), Very Small Embryonic-Like Stem Cells (VSELs), and Unrestricted Somatic Stem Cells (USSCs). No other company in the world captures such a broad and essential range of stem cell types.

## + Cord Information Guide

Cord tissue is a rich source of certain types of stem cell, primarily Mesenchymal Stem Cells (MSCs). Additionally, cord tissue contains Vascular Endothelial and Perivascular Cells both of which may be of therapeutic use in the long term.

### Why store whole cord blood and cord tissue?

Storing cord tissue will increase the number of MSCs harvested and will add further cell types not present in whole cord blood. Although overall numbers of MSCs may be less than those in the cord blood, cord tissue MSCs will enhance the overall cell sample size, and provide cell types which look increasingly likely to be therapeutically beneficial\*\*.



### Why is Cells4Life's +Cord service unique?

**Cells4Life** is the only company in the world to store both whole cord blood and cord tissue.

### What is +Cord storage?

Following the birth of your baby, the placenta is delivered. The obstetrician or midwife will take a small piece of cord tissue and place it into a sterile container. Along with the cord blood, the samples are then ready for collection by our courier.

# The Company

**Cells4Life** was founded in 2002 by **Doctor Jeff Drew** initially, to store his own children's stem cells.

**Cells4Life** was the first UK based cord blood storage facility. Their laboratory is based in Sussex **Cells4Life** always stores each sample in 2 separate storage locations in the UK, for your security.

The founder of the company was aware of the potential benefits of umbilical cord blood stem cells and wanted to set the industry leading standards for collection, processing and long-term storage of children's stem cells.

We achieve this by adhering to, and keeping ourselves to up-to-date with new scientific research and data available in the field of cord blood banking.

**Cells4Life** aims to provide parents with expert medical and professional advice and information on stem cell storage techniques.



# 25 years Premium Package

How much will it cost to preserve my baby's stem cells for 25 years?

## Kingdom of Saudi Arabia

Total: SAR 13,500\*

Initial Payment: SAR 3,500\*\*

## United Arab Emirates

Total: AED 12,400\*

Initial Payment: AED 3,500\*\*

## Kuwait

Total: KD 990\*

Initial Payment: KD 325\*\*

## Bahrain

Total: BD 1,290\*

Initial Payment: BD 430\*\*

## Qatar

Total: QAR 13,000\*

Initial Payment: QAR 3,500\*\*

## Egypt

Total: USD 3,400\*

Initial Payment: USD 1,100\*\*

## Jordan

Total: JD 2,450\*

Initial Payment: JD 740\*\*

+Cord Service ±USD900

If two or more people sign together then both will receive USD200 discount.

## For more information on:

- Payment plan options
- Twin discount package
- Existing Cells4Life clients storage discount package

Call us now on

**+971 4 311 6537**

\* Total Fee for 25 years storage (inclusive of all blood tests, Cryopreservation and 25 years storage).

\*\* Non refundable Initial payment and administrative fees.



A valuable investment for your Child and your Family's future.



# Why Cells4Life?

**1** Cells4Life is an accredited UK-based private cord blood storage company established in 2002.

We store each sample in **2 separate storage facilities for your security.**

**2** Cells4Life is the only UK company to store the **whole blood** from the umbilical cord, not just the stem cells.

Whole blood has been shown to be of greater therapeutic value and is important in 'future proofing' your child's blood for many scientific developments.

With this technique **Cells4Life** is able to secure 100% of the VSELs found in the whole blood while companies following a technique of volume reducing, lost most of these VSELs - this has been clinically proven.

**3** We perform **viability testing** on all samples upon arrival at our laboratory, ensuring that only samples containing a high percentage of viable (living) cells are cryo-preserved for storage.

**4** All **maternal blood screening tests** are included in the service charge. Upon completion we issue you with a certificate of viability and the results of all our testing.

**5** Cells4Life offers a **premium 25 year storage package** for your convenience.

**6** Our lab operates **24 hours a day, 365 days a year.** No matter what time of day or night your sample arrives it will be processed to ensure the best viability and to avoid any deterioration of the sample. This is a unique service offered by **Cells4Life** in the best interest of your child.

**7** We use an **experienced, medical courier** to transport your child's cord blood sample to the UK laboratory. This gives the reassurance that the Company transporting your child's precious cord blood knows how valuable it is, and treats it with the utmost care and gets it to us as quickly as possible.

**8** The **Unique Cells4Life KIT** is a state of the art blood transportation KIT designed specifically to transport blood – the KIT is a small refrigerator which once activated is able to maintain a temperature of 2 – 8° Celsius, to ensure the best viability of your sample.

**9** We are the only company to have formerly been accredited by **MHRA (Medical Health Regulatory Authority)** and now hold an **HTA (Human Tissue Authority)** license to process and store whole blood.

This Accreditation encompasses all international and European standards of **GLP (Good Laboratory Practice), GMP (Good Manufacturing Practice)** and ISO principles.

**10** Cells4Life is the **only licensed UK company that captures** Hematopoietic Stem Cells (**HSCs**), Mesenchymal Stem Cells (**MSCs**) and Very Small Embryonic-Like Stem Cells (**VSELs**) all within whole cord blood storage.



Cells4Life provided 'that extra' level of customer support.





# Cells4Life

The experts in stem cell storage

The **Cells4life** state-of-the-art accredited lab is based in the UK at the following address:

## Cells4life Group LLP

Units 2 & 3 Oak House, Woodlands Office Park, Alberta Drive, Burgess Hill, RH15 9TN  
Tel: **+441273234676** E-mail: [infome@cells4life.co.uk](mailto:infome@cells4life.co.uk) Website: [www.cells4life.co.uk](http://www.cells4life.co.uk)

**Med Cells International FZ LLC** is the official distributor of **Cells4Life** in the Middle East with marketing and sales offices at the following addresses. Tel: **+971 4 311 6613** or any of the numbers below for specific country details. E-mail: [info@medcells.ae](mailto:info@medcells.ae) Website: [www.medcells.ae](http://www.medcells.ae)

## UAE

### Med Cells International, FZ, LLC

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Dubai, United Arab Emirates  
Tel: **+971 4 311 6613**  
Mobile: **+971 50 553 8373**

## Lebanon

### Sarraf Limited

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P.O. Box 55424, Sin El Fil, Beirut, Lebanon  
Tel: **+961 1 489 697**  
E-mail: [cells4life@idm.net.lb](mailto:cells4life@idm.net.lb)

## Kuwait

### Dan Medical Group

P.O. Box 5092, Safat 13051, Kuwait.  
Tel: **+965 6 599 1170**  
Tel: **+965 9 443 2123**

## Bahrain

### Bahrain Pharmacy & General Stores

Building 109, Block 313, Road 14,  
Central Market Avenue, Manama Town,  
Kingdom of Bahrain.  
Tel: **+973 3 696 8065**

## Egypt

### Worldwide Marketing Consultants

10th Floor, 15 Marghany St.,  
Heliopolis, Cairo, Egypt.  
Tel: **+201 9 295 5553**

## Qatar

### Q-Care Medical

P.O. Box 75, Doha, Qatar.  
Tel: **+974 671 9161**

## Jordan

### The Jordan Drug Store Company

Isam Ajlouni Street Shmeisani,  
P.O. Box 422, Amman 11118, Jordan.  
Tel: **+962 79 743 4843**

Located at  
Dubai Healthcare City

