

## Cord blood and its uses

Can the cord blood be used more than once?

No. Some banks store in multiple vials and claim that this allows the cord blood unit to be used a few times. Processing and storing cord blood in vials actually increases the chances of both contamination and human error.

Transplant doctors around the world would use the whole sample, to maximise the patient's chance of survival. Sometimes the sample may not be enough for the patient, let alone being used more than once.

## How long can you store cord blood?

As the industry is quite new, the oldest samples are about 15 to 20 years old. However, scientists believe that when properly processed and stored, cord blood can last indefinitely.

This belief is based on the long-term storage of similar biological material, such as bone marrow, which has been stored for half a century.

Does collecting cord blood harm the baby, depriving the child of the blood it needs?

Collecting cord blood is harmless to both mother and child. Cord blood has, to date, been collected several hundred thousand times around the world. There has been no report that mother or child was harmed in any way.

Cord blood collection is carried out by a trained obstetrician, and only after the usual time taken to clamp and cut the cord during delivery. Clamping the cord at any point does not deprive the baby.

Cord blood is used only to treat leukaemia. Not true. Cord blood can today be used to treat more than 72 diseases. These include anaemia, thalassemia, various lymphomas and congenital metabolic disorders.

However, it is true that of the 8,000 cord blood transplants to date, about 60 per cent have been used for different forms of leukaemia.

Cord blood is used only for children. Not true. About 30 per cent of all the cord blood transplants done worldwide are for patients above the age of 18. The oldest patient was 69.

Source: CordLife