

Millions of carriers in a drop of blood

A red blood cell's journey from production to recycling.



DuaMio
DISCOVER

Around 250 million red blood cells in one drop.



Red blood cell

Size of a grain of rice



Enlarged person

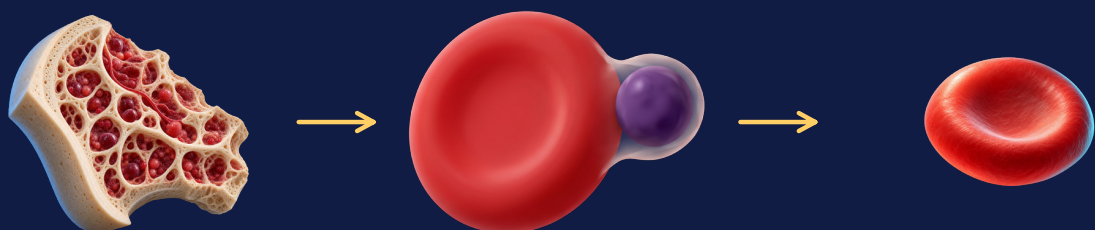
≈1,633 m

World's tallest building

828 m

A person growing by the same proportion would be roughly twice the height of the world's tallest building.

New red blood cells develop in red bone marrow.



Red bone marrow

Pushes out its nucleus

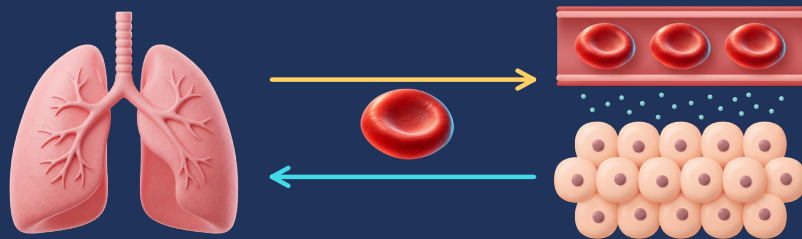
Not an empty shell: full of oxygen-carrying substance

≈2 million new red cells per second

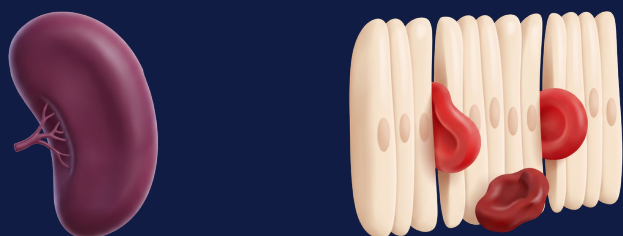
In a healthy adult, on average.

Carries oxygen, not for its own energy.

It releases part of its load to the tissues on each pass.
On the return journey, it helps carry carbon dioxide.



Narrow passages in the spleen continually filter the cells.

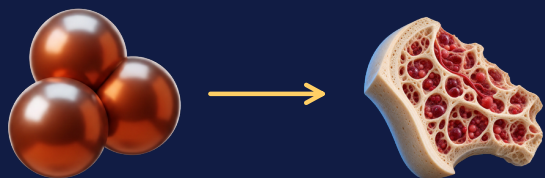


Average lifespan

≈120 days

A cell that loses its flexibility is more likely to be retained.

Iron from old cells is carried to new ones.



Conversion products from the coloured part are the main source of the brown colour of stool and the yellow colour of urine.

The transport, renewal and recovery within a drop of blood
open a door to reflecting on the Creator's knowledge and power.

Discover, marvel, remember the Creator.