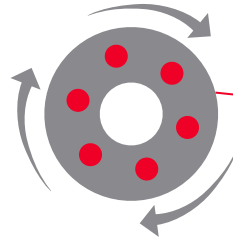




① BLOOD DONOR

About a pint of blood is drawn from a **volunteer donor**.



② SEPARATION

Your **blood** is separated into three parts for different **therapeutic uses**.



Red Blood Cells

- Carry oxygen through the body
- Used for patients with anemia or major blood loss
- Shelf life of **42 days**



Platelets

- Cells that help stop bleeding after trauma or surgery
- Help re-build cancer patients' immune system after chemotherapy
- Shelf life: **5 days**



Plasma

- The liquid that carries cells through the bloodstream
- Used for shock and trauma patients
- Shelf life: **1 year**



④ STORAGE

Within **24 hours** of donation, **Units** suitable for transfusion are labeled, **prepared** for transport and stored.



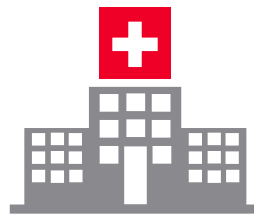
③ TESTING

Blood is **tested** for multiple diseases to **assure it is safe**.



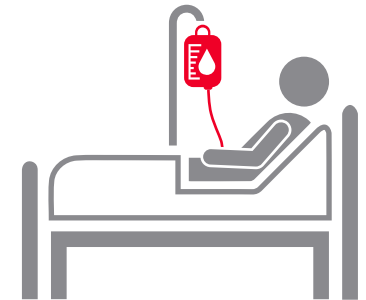
⑤ DISTRIBUTION

Blood is packed in **temperature-controlled containers** for transport.



⑥ HOSPITAL

After some checks, the blood is **ready to be transfused**.



⑦ PATIENT

A **life is improved or saved** when the right type of donation reaches the right patient.