



Cryonics

[Source: LM](#)

Recently, **Southern Cryonics (a company in Australia)** announced that it has successfully **frozen its first client**, with the hope of bringing him back to life in the future.

- The first patient was an 80-year-old man, who died in May 2024 at a hospital in Sydney.
- **Cryonics involves** keeping the **human body** at **cryogenic temperatures (-196°C)** in the hopes that one day, **medical science** will be able to **repair the molecular damage caused by ageing and disease** and bring the patient back to full health.
 - The process involves initially cooling the man's body to 6 degrees Celsius with ice, using a **heart-lung bypass machine** to circulate a **preserving solution** and lower the temperature.
 - Further, the body is wrapped in a **special sleeping bag** and **packed in [dry ice](#)** to reach -80 degrees Celsius, and then gradually lowering the temperature to -200 degrees Celsius in a **cooling chamber** before placing in a pod and storing it upside down in a **specialised tank**.
- However, the concern lies in the **scientific and ethical aspects** of reviving a whole human body, along with the **extended timeframe** required for such advancements.

HOW THE PROCESS OF CRYONICS WORKS

