



## Mars Colonisation Through Sperm Bank

As per a study, the human colonies on Mars may be able to expand with shipments of sperm from Earth.

- The study has found out that exposure to **low gravity environments does not damage the viability of frozen samples.**
- The frozen samples of sperm exposed to microgravity retained similar characteristics to sperm samples kept on the Earth.
- The findings open the possibility of safely transporting male gametes to space and considering the **possibility of creating a human sperm bank outside Earth.**
- If the number of missions and spaceflights increases it **is important to study the effects of long-term human exposure to space** and probably consider thinking about the **possibility of reproduction outside the Earth.**
- It opens the possibility of female astronauts going to Mars, taking the sperm with them to populate a new world.
- The National Aeronautics and Space Administration (NASA) has stated that the first person to walk on Mars is likely to be a woman. It has set a goal of starting a colony on the planet by 2033.

### The National Aeronautics and Space Administration (NASA)

- The National Aeronautics and Space Administration (NASA) is an independent agency of the executive branch of the United States federal government responsible for the civilian space program, as well as aeronautics and aerospace research.
- It was established under the **National Aeronautics and Space Act 1958** and its headquarters are located in Washington, DC, USA.

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