The Biotechnology Facility Is...

Ground-based lab in support of BTF

A world-class cellular biotechnology research laboratory designed for continuous operation on board the International Space Station. The facility will enable scientists to study the effects of exposure to microgravity on cells and tissues.

These studies will provide better understanding of human diseases and could lead to improved treatments and prevention strategies. They will improve our understanding of the effects of long duration space flight on humans supporting our future space explorations.

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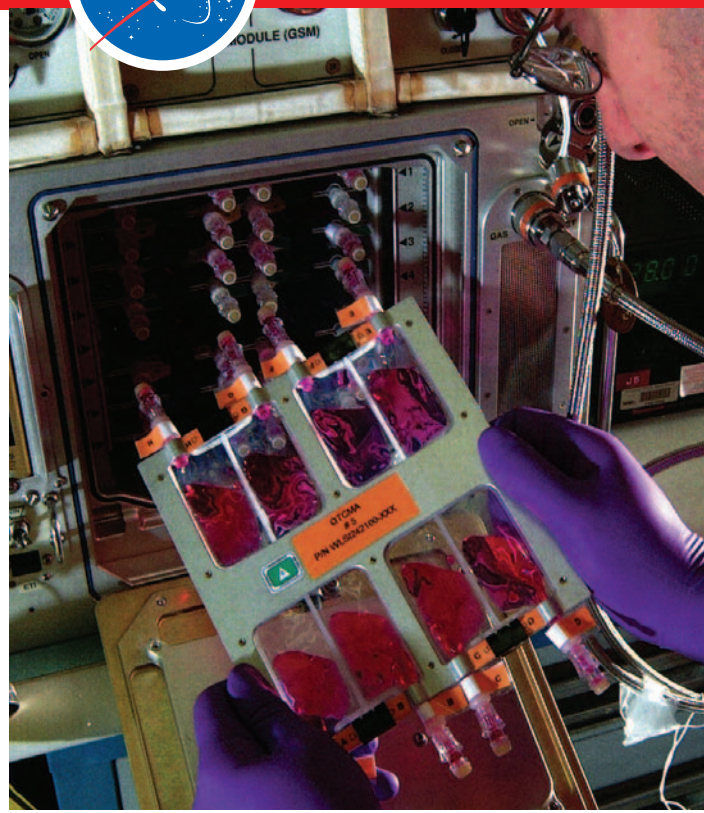
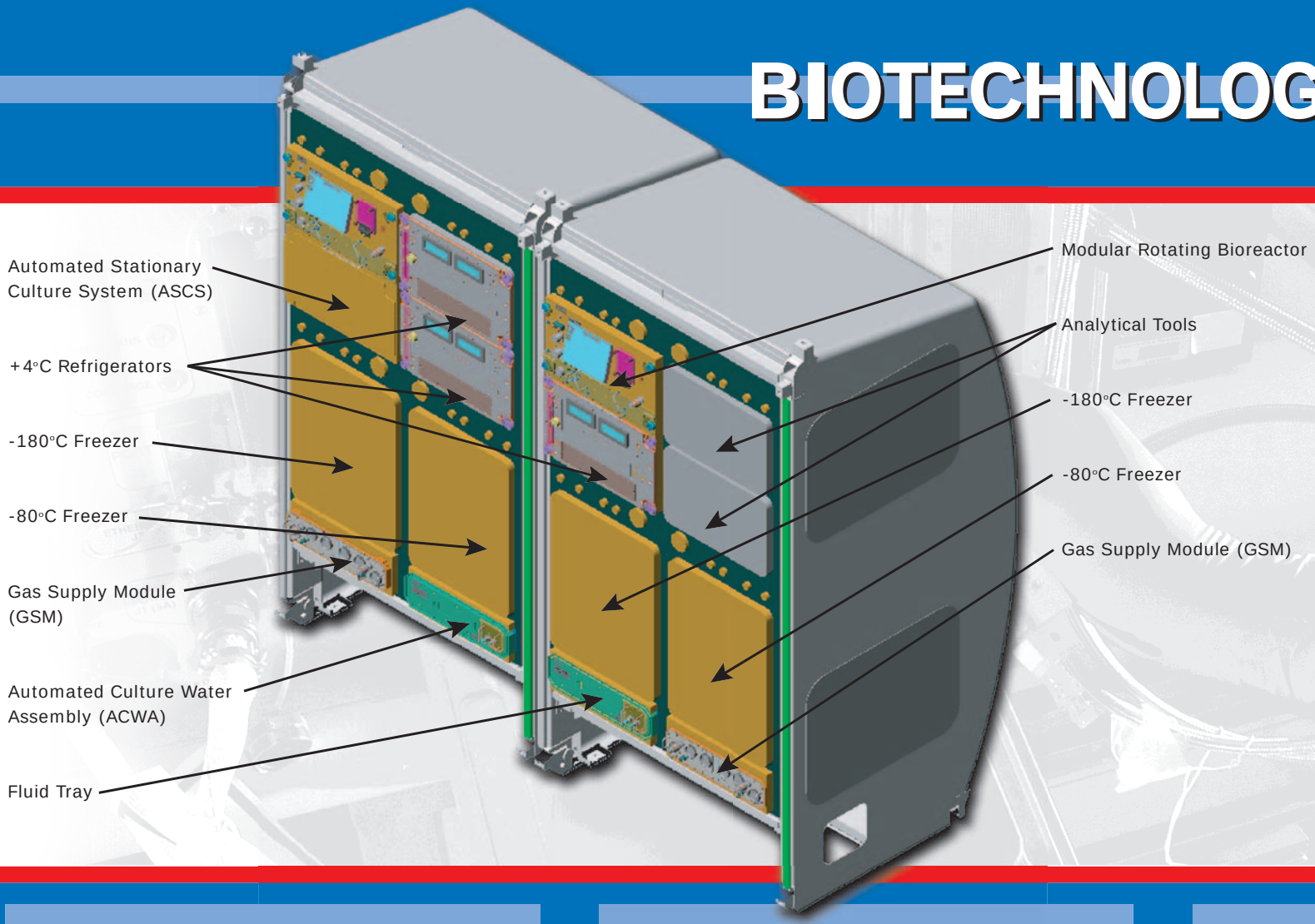


THE BIOTECHNOLOGY FACILITY PROJECT

NASA / Johnson Space Center

BIOTECHNOLOGY FACILITY



A conceptual drawing of the two racks and associated components comprising the Biotechnology Facility aboard the International Space Station.

What is the BTF?

The BTF is a BioTechnology Facility housing a complement of hardware and science experiments designed to use the unique microgravity environment of low Earth orbit as a tool in basic and applied cell biology research.

Why is the BTF important?

Space-based research conducted in the BTF may lead to improvements to the human condition on earth through advances in health care technologies and treatments.

Where is the BTF being developed?

The BTF is being developed at Johnson Space Center in Houston, Texas. A new ground-based laboratory in support of the BTF has been built and is located at the Wyle Laboratories. It is a modern biotechnology facility occupying approximately 1000 sq. ft.

When will the BTF be deployed on the International Space Station?

The first phase is scheduled for deployment in 2006.

Who to contact for further information?

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