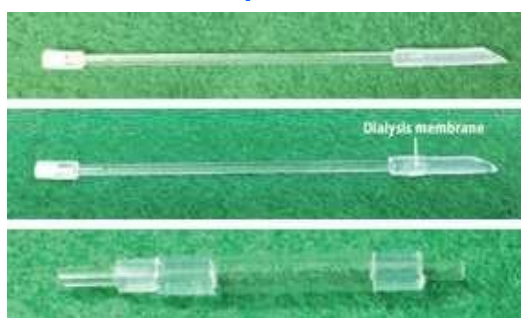


Producing Space Crystallization Tools

We are supporting crystallization experiments on the International Space Station (ISS) for 30 years. Especially, 3D plastic bags are highly reliable and more than 800 bags have been used on the ISS.

Inner capillaries



Capillary for the counter diffusion method
Capillary for the dialysis method
Large-bore capillary for neutron diffraction

Outer bags



3-cell and 6-cell types
Outer bags installing inner capillaries are sealed with heat.

Supporting Experiments on the ISS

Our skills and experiences of space experiments ensure various types of customer's space experiments. We conduct planning, paper works, advising best experimental conditions and tools, sample loading for space experiments, and sample return.

Challenging Space Exploration

For the next era of far space exploration, we are proposing new exploration concepts and contributing elemental technology development based on our extensive experiences.

Producing Laboratory Tools

Laboratory tools are developed based on knowledge gained from space experiments.

C-Kit Ground Pro: Protein Crystallization Kit

High quality crystals are grown using the counter diffusion method. XRD kit: crystals for x-ray diffraction. NRD kit: large crystals for neutron diffraction.

C-Kit Pro Advanced Tool

Tool for picking up crystals from capillaries and a soft wear (C-Profile) to determine optimized crystallization conditions.



C-Bag DX: Anaerobic Experiment Kit

It contains gas-impermeable bags, oxygen absorbers, and oxygen detectors. It enables you anaerobic experiments with low cost.



Supporting Structural Analysis

C-Platform

It is contract service for protein structural analysis. Based on our experiences, we undertake all steps of structural analysis research, from protein expression to 3D structure, or each step individually.

C-Collection

We provide X-ray diffraction data acquisition and structure analysis services using the UK's Diamond Light Source.

C-Clinic

In this interactive service, we will advise you on several optimized conditions of crystallization based on the original analysis by our soft wear, C-Profile. We will send you appropriate crystallization tools for your experiments to try the crystallization in your lab. We also evaluate your protein sample whether it has suitable features for crystallization.

Supporting STEM Education

We provide experimental teaching materials for junior and senior high school students on the subject of protein crystallization.

C-Kit Education

This kit allows students to carry out the experiments together with their teacher in the classroom and learn about the science literacy of experimental science. We also provide support services for the kit learning.



C-Kit Space

This kit is for students to conduct crystallization experiments on their own samples under the microgravity environment on the ISS.



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