

Developments in sample preparation, handling, and storage in cryoEM

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Interest in cryoelectron microscopy (cryoEM) is growing rapidly as technical advances in electron detectors and optics dramatically improve imaging capabilities and sample throughput. The federal government, via the NIH, has established multiple national centers that provide user access to this technology. Efficient use of these centers requires improved tools and methods for sample management. Building on experience gained in the high-throughput revolution in cryocrystallography, systems for the advanced storage, transport, and tracking of cryo-EM samples are being developed. We report on our current and planned developments in this area.

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