

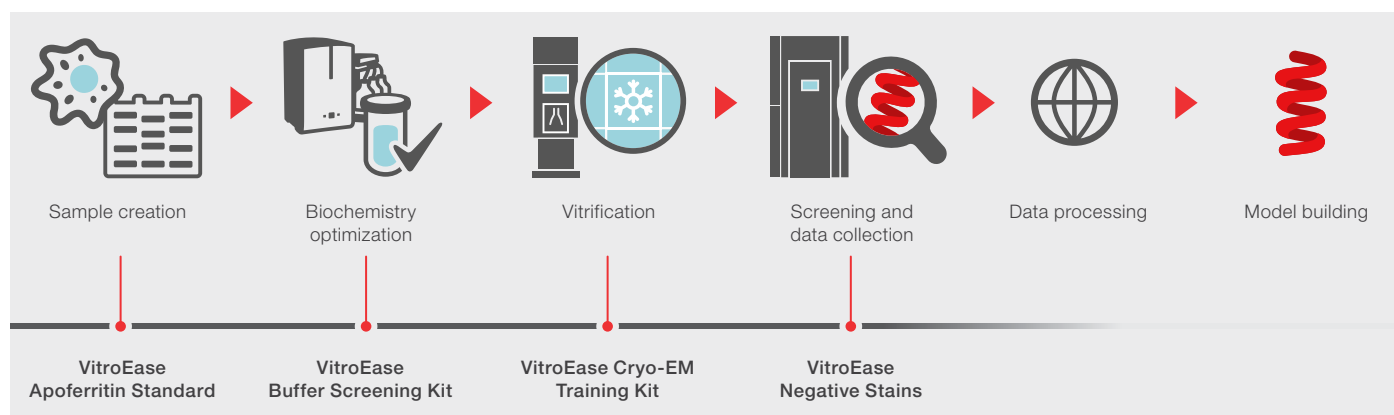
Cryo-EM sample preparation made easy

Get started with VitroEase products

The cryo-electron microscopy (cryo-EM) sample preparation workflow for single particle analysis (SPA) consists of a series of steps, from protein production to sample screening. We offer you solutions across these workflow steps, to help you optimize your samples and prepare grids that will yield high-resolution cryo-EM structures.

Cryo-EM sample preparation solutions

The Thermo Scientific™ VitroEase™ products are designed to improve cryo-EM sample preparation. You can optimize samples with the VitroEase Buffer Screening Kit and use the VitroEase Apoferritin Standard to validate workflows. The VitroEase Cryo-EM Training Kit facilitates training the next generation of cryo-EM users.



The VitroEase Apoferritin Standard provides:

- A highly validated protein standard for single particle analysis
- Ready-to-use format for direct use in vitrification
- Homogeneity and resolution tested with mass spectrometry and cryo-EM

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The VitroEase Buffer Screening Kit is designed for accelerated screening using the Thermo Scientific EPU Multigrid:

- 14 buffers and 6 detergents commonly used for cryo-EM
- Detailed screening protocol
- Ready to be spiked in with protein samples

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The VitroEase Cryo-EM Training Kit includes:

- Everything needed to start vitrifying samples
- Detailed, step-by-step vitrification instructions
- Grids and an apoferritin positive-control sample for 25 preparations

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VitroEase Methylamine Vanadate Negative Stain and VitroEase Methylamine Tungstate Negative Stain:

- Uniform, electron-dense stains
- Stable, ready-to-use 2% stain solutions
- Easy-to-use, intuitive protocols
- Ideal for EM grids, drying without crystallization

[View Methylamine Vanadate](#)

[View Methylamine Tungstate](#)

Learn more at thermofisher.com/cryoEMworkflows

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