

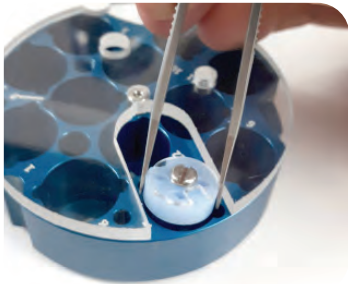


MiTeGen

Developments in Cryo-EM
(Generation 2.0)

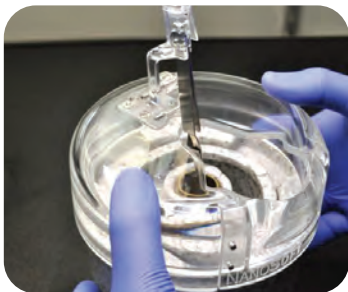


As Cryo-EM techniques evolve, the tools and hardware used require innovation. We are excited to be a part of the Cryo-EM community.



Simplify Storage & Shipping

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Improve Vitrification

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Track Samples Easier

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Cryo-EM Pucks (Generation 2.0)

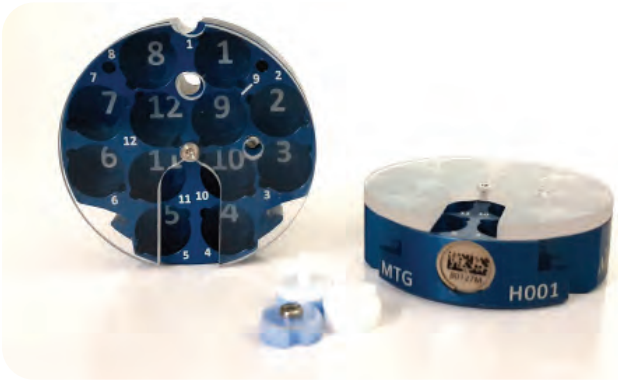
Simplify Cryogenic Grid Box Storage

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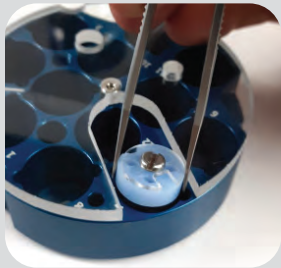
*“No more
conical tubes!”*

Cryo-EM Pucks

- 12 wells per puck for cryo grid boxes
- Customized unique identifier for each puck
- Indexed wells for sample tracking
- Accommodates all round cryo grid boxes
- Magnets for strong puck retention, but easy removal
- 2D Barcoding and custom serialization for advanced sample tracking



Exclusive MiTeGen Puck Features

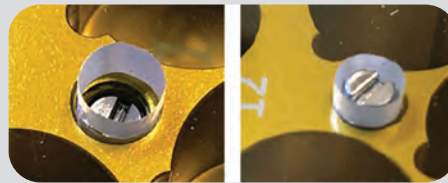


Tweezer slots for easy and secure box handling



Simple well identification

Lid Lock



Lid-Lock For Easy Loading and Secure Transport



Magnets for strong puck retention

➤ Easily Stored & Shipped



Storage Canes:

- 10 puck capacity
- Compatible with standard storage dewars (i.e. HC34, HC35, VHC35, etc.)



Shipping Canes:

- 8 puck capacity
- Compatible with standard shipping dewars (i.e. CX100)



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Vitrification Tools



Improve Grid Vitrification [Click To Learn More](#)

NanoSoft Cryo-Tweezers

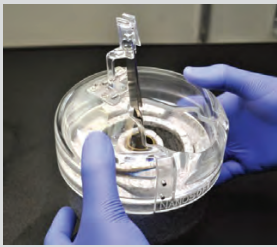
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- Easily plunges using TFS Vitrobot
- Reverse-action holds grids securely
- Spring-action clamp attaches easier
- Simple, user-friendly design



NanoSoft Igloo

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- Maintains a cold, dry environment above cryogen
- Collapsible stand allows easy mounting of tweezers post-plunge
- Protects cryogen from ice contamination

Ethane Condenser

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- Easier condensing for Vitrobot vitrification
- Vortex-flow design - increases efficiency
- Hands-free ethane condensing

Storage and Shipping Dewars

- Safely store and transport your pucks & grids
- Industry leading dryshippers and refrigerators
- Avoid unwanted thawing
- Ship confidently with IATA approved designs
- Partnered with ICBiomedical (formerly Worthington Industries)



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Surfactants, Grids, & More

Improve Cryo-EM Research in Your Lab

Vitrification Starter Kit

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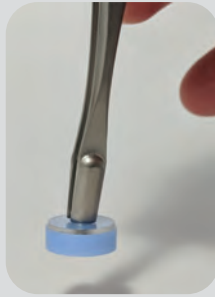
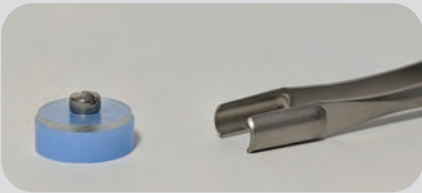
- Improve sample vitrification in single particle CEM
- Selection of surfactants which have been successfully applied
- Grid for the optimal vitrification condition combination



Grid Box Tweezers

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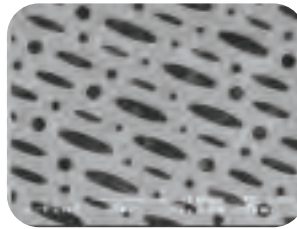
- Easily handle Cryo-EM Grid Boxes by the screw
- Securely remove boxes from pucks and dewars
- Compatible with all standard grid boxes
- Unique label and number for each box



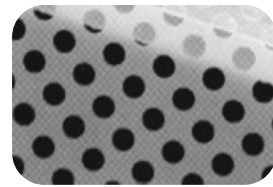
Holey Carbon & Gold Grids

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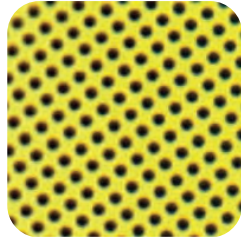
- Ensure the grids you use are the best
- Large variety of types and sizes
- Active partnerships to maximize availability



(C-flat™ Holey Carbon)



(QUANTIFOIL®)



(UltrAuFoil® Holey Gold Films)

Rapid Immersion Cryoplunger

[Click To Learn More](#)

- Easily plunge cool grids for Cryo-EM
- Ultra-rapid sample cooling into range of cryogens
- Accessories include Cryo-TEM Transfer Interface
- Offered in partnership with EMS



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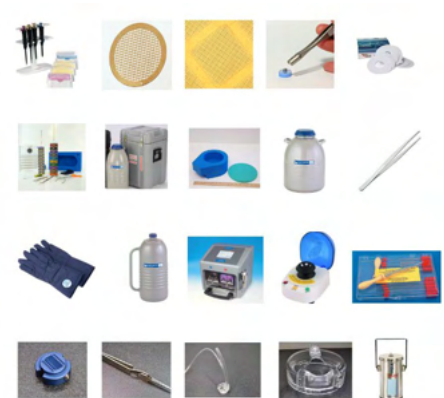
MiTeGen

MiTeGen



Cryo-EM Lab Kits

- Cryo-EM Lab kits are design to equipment your lab with the tools you need in convenient packages
- Available in three different configurations from the Basic Kit for those just getting started in cryo-EM to the Complete Kit for larger labs
- Also available is the build your own cryo-EM lab kit where you pick and choose the tools you want



Learn More About Each Kit

Cryo-EM Lab Basic Tool Kit – A cryo-EM sample preparation tool kit designed for a research lab that wants to begin preparing their own grid samples, but plan to utilize access to facilities already doing basic cryo-EM with standard equipment (glow discharge system, etc.).

Cryo-EM Lab Advanced Tool Kit – A cryo-EM sample preparation tool kit for labs that want to be able to do all of the basic grid and sample preparation for cryo-EM in their own lab, on a reduced budget.

Cryo-EM Lab Complete Tool Kit – A cryo-EM sample preparation tool kit for larger research labs that want to be able to do all of the basic grid and sample preparation for cryo-EM in their own lab with expanded capabilities.

Cryo-EM Lab Build Your Own Tool Kit – Build your own tool kit by choosing the cryo-EM tools that specifically meet the needs of your lab. Includes the ability to add components not listed in our regular tool kits.

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