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The C-flat™ Advantage
C-flat™ leads to better data sets.
Made with patent pending technology, C-flat™ provides an ultra-flat surface that results in better particle dispersion and more uniform ice thickness. Patternning is done using deep-UV projection lithography, ensuring the most accurate and consistent hole shapes and sizes down to submicron features. The precise methods by which C-flat™ is manufactured eliminate artifacts such as excess carbon and edges around holes.

C-flat™ is affordable
C-flat is available in 25, 50, and 100 packs at a per-grid price less than competing products.

Applications
C-flat holesy carbon grids provide the ideal specimen support to achieve high resolution data in cryoTEM making C-flat the perfect choice for:
- Single particle analysis
- Cryo electron tomography
- Automated TEM analysis

Frozen-hydrated Bacteriophages Capsid (data acquired on CF-1.2/1.4-4g).

Consistent
Researchers around the world have reported that the ultra-flat surface of C-flat™ leads to even ice thickness and uniform particle distribution, allowing for superior 3-D reconstructions. 2 μm hole sizes are standard, but various hole sizes are available to accommodate different particle sizes and magnifications.

Compatible
C-flat™ provides a regular array of analysis sites compatible with automated data collection software such as Leginon. This compatibility, in combination with the more uniform ice thickness and particle distribution reported by numerous researchers, results in more high-quality target sites per grid.

Clean
C-flat™ uses no plastics or polymers in its production. This means C-flat™ is shipped clean, so it’s ready to use out of the box and requires no solvent washing steps prior to use, leading to less breakage of the holey carbon film.

Expanded Product Line
The breadth of applications in cryoTEM necessitate a wide range of holey carbon film patterns. And now, with the recent expansion of the product line, a C-flat™ holey carbon film is available for almost any application. Whether 600nm holes are needed for very high magnifications with ultra-high resolution cameras or large open areas are needed for larger specimens, C-flat™ is the perfect holey carbon grid.

The premier holey carbon grid for cryo-transmission electron microscopy
C-FLAT™
Holey Carbon and Gold Grids for Cryo-TEM
C-Flat™ is a clean, ultra-flat holey carbon film TEM grid primarily used for Cryo TEM and Automated TEM. With a variety of available hole diameters, mesh size, film thicknesses, and mesh material, there is a C-Flat™ product suitable for any application in the TEM.

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