

EM RESOLUTIONS
Supporting Electron Microscopy

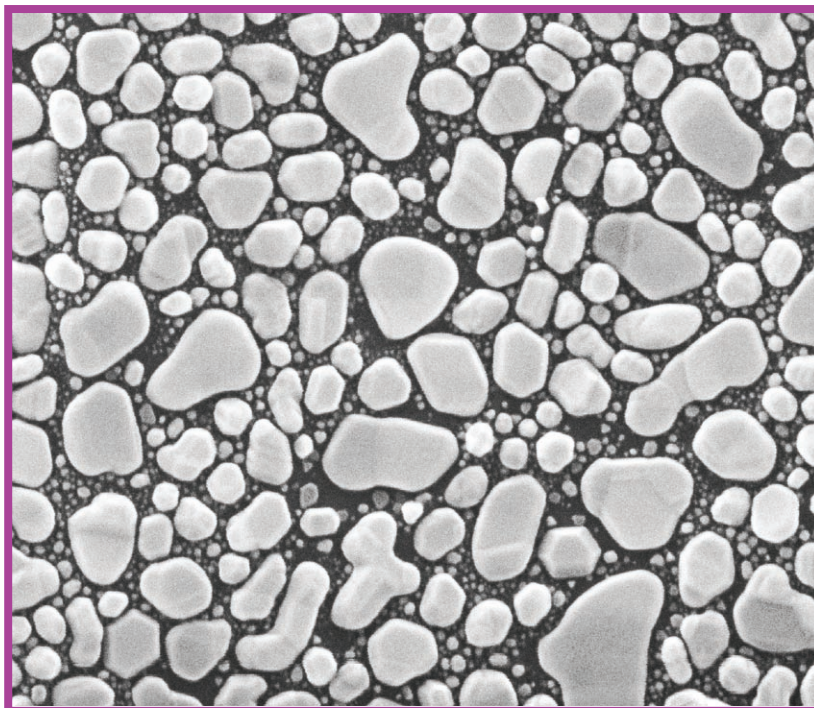
Gold on Carbon resolution standards

- get the best from your SEM

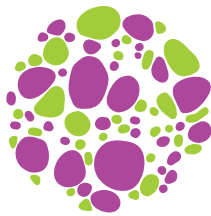
SGC Gold on Carbon resolution standards, with varying sized gaps between gold crystals on a carbon substrate, allow resolution tests to be made under actual SEM operating conditions. They can also be used to assess the quality of grey-level reproduction at high resolution. Gold on Carbon is available in two size ranges.

SGC5200 - good for all SEM's [5nm-200nm]. High resolution SEMs should give good results in the gap test combined with good grey level reproduction. Medium-quality instruments may achieve a chosen gap resolution, but the grey-level production will be lower.

SGC0230 - ultra small gold islands [<2nm-30nm] requiring higher magnification to resolve the smaller particles. Particularly suitable for use with Field Emission SEM's and high resolution instruments.



Both **SGC5200** Gold on Carbon and **SGC0230** High-resolution Gold on Carbon are usually supplied on 12.5 mm pin stubs. To facilitate preliminary focusing and positioning at low magnifications an outline of a square mesh grid is provided on the surface of the standard. If you require an unmounted resolution standard please add U after the number. e.g. SGC5200U. For resolution standards on other stubs please specify on your order.



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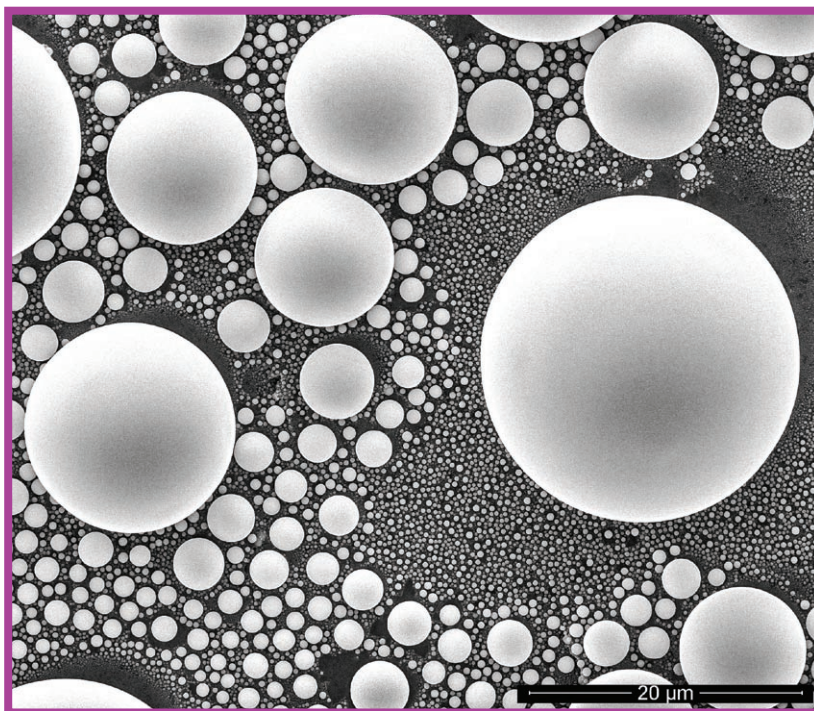
Tin on Carbon resolution standards

- get the best from your SEM

STC Tin on Carbon resolution standards are an industry standard for resolution, astigmatism and image shift measurements for SEMs. The relatively high atomic number of tin gives the spheres high contrast against the carbon substrate. Tin on Carbon standards are available in two sphere size ranges.

STC5300 has sphere sizes [5nm-30µm] that can be imaged over a wide range of magnifications, accelerating voltages and spot sizes, using a single calibration specimen. This is a particularly good resolution test specimen for training new users of SEMs. The ability to image the specimen at low magnification simplifies initial focussing at low accelerating voltages.

STC1099 has a smaller range of sphere sizes [10nm-100nm] and is particularly suitable for modern hi-resolution field emission SEMs. It has a square mesh grid pattern to facilitate locating and positioning.



Both **STC5300** Tin on carbon and **STC1099** small tin on carbon are usually supplied on 12.5mm pin stubs. If you require an unmounted resolution standard please add a U after the part number when ordering e.g. STC5300U. For resolution standards on other stubs please specify on your order.

Available from:

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