



Ultra Micro-Needle - 1/ea

Determine the appropriate sample concentration for crystallization screening

Product codes:

Reference: HR 4853

Product gallery:



Micro-Tools II Set
HR4-837



Product description:

- Made from chemical resistant tungsten steel & hardened tool steel
- Interchangeable tools tips
- 8 unique tools designed to extend the original Micro-Tools set
- Set includes wooden storage case

Micro-Tools II Set is an extension to the smallest available precision instruments for laboratory use. These tools are realistically proportioned for macromolecular and small molecule crystallization work. The high quality, precision Micro-Tools II ease microscopic manipulations. The eight specifically engineered Micro-Tools II are useful in a variety of applications in the crystallization lab. Eight tools, a handle and wood storage box.

The Micro-Tools II are designed to be versatile as well as useful for specific crystallization manipulations. For example, the Micro-Manipulator is handy for manipulating long, thin blades or for separating long, thin blade clusters. Awkward positions encountered during crystal manipulation can sometimes be avoided using tools with an unusual and flexible approach angle such as the Micro-Prober 90° and the Micro-Hook 90°. Seeding experiments can be performed using the Micro-Brush. The Ultra Micro-Needles are extremely delicate tools crafted from 5 micron radius tungsten that are very handy for seeding as well as manipulations requiring a soft, fine, and controlled touch.

The Micro-Tools II Set is indispensable during crystal observation, manipulation, seeding, and



mounting. The set includes a single anodized aluminum handle which holds each of the eight unique tips, all supplied in an attractive alderwood instrument case. The case provides protective storage of the Micro-Tools as well as a convenient carrying case.

The tips are constructed from hardened tungsten steel and are resistant to most common reagents used for crystal growth. The threaded tool tips are easily interchanged with the threaded aluminum handle. The overall length of the handle only is 120 mm. The diameter of the tool shaft is 0.25 mm - 0.5 mm (0.01 - 0.02 inches). The actual dimension at the very tip of the tool will vary with the particular tool design. Each of the Micro-Tools II Set is also available individually, as is the Handle HR4-829 and Carrying Case HR4-831.

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Product features:

CRF - TIPO: Micro-Tools II Set