Ref. No.09/Stores/Neurosurgery/PSC/Proprietary/2012-13/RS

Dated: 01 February, 2013

Subject: Purchase of equipment Flaming/Brown type P 97 Micropipette Puller with X-Y translator, large fixed stage platform for Nikon FN1 and BV-10-E Micropipette Beveler, for the department of Neurosurgery at AIIMS, New Delhi-29 on proprietary basis- Inviting comments thereon.

*****

The request received from Dr. P. Sarat Chandra, Deptt. of Neurosurgery, AIIMS by M/s. Sutter Instrument, USA on proprietary basis. The proposal is submitted by M/s Sutter Instrument, USA and PAC certifications are attached.

The above documents are being uploaded for open information and to submit objections, comments, if any, from any manufacturer regarding proprietary nature of the equipment/item within issue of 15 days giving reference No.09/Stores/Neurosurgery/PSC/Proprietary/2012-13/RS. The comments should be received by office of Stores Officer (RS), Research Section at AIIMS on or before 18.02.2013 upto 12.30 p.m., failing which it will be presumed that any other vendor is having no comment to offer and case will be decided on merits.

Yours faithfully,

STORES OFFICER (RS)

Encl: Related documents enclosed.

PAC Certificate enclosed.

Specification of equipment.
SPECIFICATIONS:

Flaming/Brown type P 97 Micropipette Puller with X-Y translator, large fixed stage platform for Nikon FN1 and BV-10-E Micropipette Beveler.

Unique Features of P-97:

- Pulls electrodes with tip diameters less than 0.1u, consistently and reliably.
- Measures velocity of the system as the glass softens and begins to pull apart under a constant load. The viscosity of the glass determines the increasing velocity of the initial pull, which in turn is a function of the glass temperature. The adjustable velocity allows for selection of a precise glass temperature as the trip point for the hard pull - Patent No. 4,600,424.
- Capable of storing 100 different programs to facilitate use by more than one investigator, each program consists of a maximum of 8 cycles.
- ‘Ramp Test’ allows for rapid adjustment of program parameters when a new filament or glass is introduced.
- Constant current power supplies for filament and pull solenoid.
- Looping pull cycle for fabrication of patch-clamp pipettes
- Operates on the principle of rapid cooling of the electrode heater to give fine tipped pipettes with extremely short tapers, thereby producing stiff pipettes suitable for bevelling.
- The P-97 combines a proven mechanical system with a sophisticated, programmable microprocessor controller to produce a puller with extraordinary capabilities.
- Humidity control chamber encloses glass during pull sequence for improved reproducibility. Patent pending.
- A complete “brown-out” sensing circuit has been incorporated into the instrument; an automatic shut down occurs when line voltage drops below a critical level.

Unique features of MT-500:

- 25 mm travel in X and Y.
- 5 micron resolution
- Highly stable for experiments intolerant of drift.
- Top plate made specifically for Olympus BX-51WI, Nikon FN-1, Zeiss Axioskop 2 FS and the Leica DMLFS as well as older fixed stage models.
- Allows movement of a microscope’s optics with respect to the fixed stages(s).
Unique features of MT-78-FS:

- Stable support and solid design.
- Accommodates a variety of stage inserts.
- Compatible with Nikon, Olympus, Zeiss and Leica upright and inverted microscopes.
- Optional XY translation available (motorized or manual)
- MT-78-FS is compatible with Sutter MT-500 or MT-800 X-Y translators
- Suitable for multi-site electrophysiology where there is a need for a single large stage.

Unique features of BV-10

- Vibration-free, magnetically coupled believing surface.
- Abrasive surface optically flat to a half wave (250nm)
- Finest abrasive surface commercially available.
- Synchronous clock motor insures stable rotation rate.
- 7lb steel baseplate adds additional dampening.
- Integrated halogen lamp.
- Robust micromanipulatrot controls bevel angle and advancement.
January 7, 2013

To Whom It May Concern:

This is to certify that Sutter Instrument is the sole manufacturer of the MT-500 (Scope Suffix), which is unique and proprietary in nature. The MT-500 (Scope Suffix) is produced at our facility in Novato, California, USA. To the best of our knowledge, there are no current commercially available systems that provide a comparable set of features in a single integrated device.

Following features make the MT-500 unique:

- 25mm travel in X and Y.
- 5 micron resolution.
- Highly stable for experiments intolerant of drift.
- Top plate made specifically for Olympus BX-51WI, Nikon FN-1, Zeiss Axioskop 2 FS and the Leica DMLFS as well as older fixed stage models. Inverted microscope translators are available for the Olympus 1X71.
- Allows movement of a microscope’s optics with respect to the fixed stage(s).

Specifications MT-500:

- Baseplate dimensions: 8in x 15.25in x 2.25in
- Maximum Travel: 1in /25mm
- Resolution: 5μm
- Maximum Load: 110lbs/50kg
- Weight 35 lb/16kg

Kindly consider the offer submitted by our Indian distributor Medi Analytika India Pvt. Ltd, Chennai for your valued order of a MT-500.

Regards,

Alexandra Cooper
Director of Sales and Marketing

SUTTER INSTRUMENT
One Digital Drive, Novato CA 94949
tel: (415) 883-0128 fax: (415) 883-0572 email: info@sutter.com