



INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
MATERIALS MANAGEMENT DIVISION
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Detailed Technical Specifications for Tetrad Dissection Microscope

1. Micromanipulator to provide a 3-dimensional X, Y, Z-axis control on a single joystick.
2. The microscope stage to have a specialised index pointer and layout schematic for real-time grid location reference.
3. The microscope to have an intelligent energy saving mode, automatically switching off the illumination after 15 minutes idle time.
4. The microscope to have a clear acrylic holder for minimum light disruption and maximum ease of needle set up.
5. A box of pre-made needles ready for dissection.
6. Stage equipped with needle-protection limits to eliminate needle breakage on dish perimeter.
7. Full needle change in less than 60 seconds without need for recalibration.
8. Box of 10 dissection needles.
9. Engineered for light-optimising transmission
10. To have a light module and stage for the dissection of yeast and fungal cells and spores.
11. Stage should be equipped with needle-protection limits to eliminate needle breakage on dish perimeter.
12. Stage with click-stops in a grid
13. The instrument to be supplied with Microzaper and the necessary power supply equipment.