Brunel SP300FL

The SP300 fl is a reflected light florescence microscope with the ability to be used additionally for transmitted bright field work. The instrument is equipped with high numerical aperture glycerine immersion objectives and planachromatic bright field objectives, x4, x10, x25, x40 and x100 with x10 widefield eyepieces.

The microscope stand is particularly well engineered with a backward facing objective turret with a very positive objective indexing system. The incident fluorescent illumination is provided by a 100 watt high pressure lamp operated by a D.C. power supply with separate on/off switch and push start buttons and warning lamp. The incident light path has an iris diaphragm and rotating aperture plate with blanking and frosted filter options.

The large square mechanical stage has drop down coaxial movement controls with double vernier, and a blanking plate to prevent transmission light interference. The SP300 fl has a trinocular head suitable for all types of image capture, with x10 widefield eyepieces. The microscope stand has low position coaxial coarse and fine focus controls that incorporate independent tension adjustment and variable focus stop.

- The incident fluorescent illumination is provided by a 100 watt high pressure lamp operated by a D.C. Power supply with separate on/off switch and push start buttons and warning lamp. The full emission of the vapour lamp is achieved after approximately 10 minutes.

- The incident light path has an iris diaphragm and rotating aperture plate with blanking and frosted filter options. The blue and green exciting filters are situated within the trinocular head and are controlled by push/pull levers on either side of the microscope head. An essential feature is the baffle plate that covers the objective and stage area to protect the operator.

- The large square mechanical stage has drop down coaxial movement controls with double vernier, and a blanking plate to prevent transmission light interference.

- The SP300FI has a trinocular head suitable for all types of image capture, and the eyetubes have interocular and dioptric adjustment and have x10 widefield eyepieces.

- When used for transmission bright filed illumination, the stage light guard plate is removed and the inbuilt 6v 20watt rheostat controlled quartz halogen light source provides Kohler illumination.

- The substage condenser has rack and pinion focusing and can be centred, N.A. = 1.25.

- The microscope stand has low position coaxial coarse and fine focus controls that incorporate independent tension adjustment and variable focus safety stop.

www.educationalmicroscopes.co.uk

Brunel SP300FL

www.brunelmicroscopes.co.uk