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Product Name :

ENT Operating Microscope

Product Code :

SLE/M/43



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Description :

ENT Operating Microscope (Product Code: SLE/M/43) is a floor-standing binocular operating microscope used to give a magnified, illuminated view of the ear, nose and throat field in hospital ENT departments and medical teaching settings. Its apochromatic optics have a five-step magnification changer covering 2.4x–40x or more, and an integrated full HD (1080p) camera records video and photos. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, a laboratory equipment supplier in India that also serves hospital buyers.

Specifications

Parameter	Detail
Optics	Apochromatic, five-step magnification changer
Magnification range	2.4x–40x or more
Maximum field of view	More than 180 mm
Objective working distance	f = 250 mm and 400 mm; fine focusing listed for 300 mm
Binocular tube	Inclinable, f = 170 mm or higher; interpupillary distance 55–75 mm
Eyepieces	Pair of wide-field push-in eyepieces, 10x or 12.5x, with rubber sleeves; diopter setting ?5D to +5D
Illumination	Coaxial fibre-optic / direct Xenon or LED system; single lamp in LED versions; dual lamp with quick change-over in Xenon versions
Light control	Continuous lamp intensity adjustment by a control knob near the surgeon
Stand	Stable floor stand on four lockable castors; column height minimum 1.6 m; spring-balance articulated arm, carrier arm, power supply unit
Handling	Lateral handgrips for all knobs; dust cover
Imaging	Integrated full HD (1080p) camera and full HD recording system with playback for videos and photos
Product code	SLE/M/43
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is the ENT Operating Microscope Used For?

ENT work takes place in narrow, deep and poorly lit spaces such as the ear canal and nasal passages. An operating microscope places a bright, coaxial light and a stereoscopic magnified view along the same line of sight, leaving the operator's hands free for instruments. The five-step changer lets the user move from an overview at 2.4x to fine detail at the upper end of the range without refocusing the whole set-up.

The spring-balanced articulated arm holds the head steady in any position, and the lockable casto era allow recor