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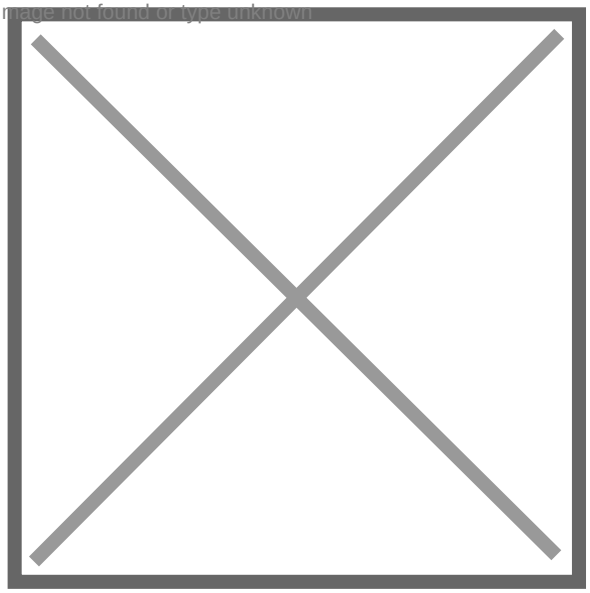
Product Name :

Laparoscopic Set

Product Code :

SLE/LE/003

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Science Lab

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Description :

Laparoscopic Set (Product Code: SLE/LE/003) is a complete high-definition laparoscopy system for hospital operating theatres, combining a 3-chip CMOS full HD camera, a 26-inch medical-grade LED monitor, an LED light source with Safelight optic cable, 5.0 mm and 10.0 mm HD telescopes, a high-flow 45 L CO2 insufflator with gas heating, an HD recorder and documentation system, and a mobile cart with isolation transformer. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, a laboratory instruments supplier in India that also handles operating theatre system enquiries.

Specifications

Parameter	Detail
Camera system	3-chip CMOS high definition endoscopic video camera with progressive scan; one camera control unit/console and one camera head; HD video at 1920x1080p native resolution
Camera head controls	4 programmable buttons; control of ICG fluorescent viewing; adjustment of cavity backlighting and ICG fluorescence vibrancy; 18 mm coupler with single-handed focusing; ergonomic, lightweight design
Image processing	Dynamic Range Enhancement (DRE) for a brighter image in dark and posterior compartments by up to 150%; desaturation to reduce colour saturation; 9 cross-specialty settings for colour and brightness; customisable colour and button settings per surgical specialty
Camera interface and outputs	Touch screen LCD interface; two DVI outputs and one S-Video output
Monitor	HD medical grade 26" LED flat-panel colour monitor; 1920 x 1080 progressive scan; matches camera head acquisition resolution; supports 16:9; viewing angle > 150 degrees; PAL system compatible; DVI and S-Video inputs; compact and lightweight
LED light source	220 volts, 300 watts; red, green and blue light engine; white light, infrared and endoscopic near-infrared (ICG) visualisation; adjustable intensity in white light and ENV modes; integrated infrared lighted fibres for ureteral detection; capacitive LCD/LED touch screen
Light source safety	Stand-by mode to help prevent accidental injury; integrated Safelight technology puts the source into stand-by when the scope is disconnected from the light cable
HD telescopes	5.0 mm and 10.0 mm HD laparoscopes with endoscopic near-infrared visualisation; lens technology for fluorescent and near-infrared wavelengths; aspherical lenses for minimised optical distortion; improved light transmission and edge brightness; laser welded enclosures for durability
CO2 insufflator	High flow 45 L with LCD touch display; soft approach pressure control for safe recovery of abdominal pressure; neonatal, bariatric and high flow modes with visual and audible alarms and minimum 0.1 L flow rate; integrated gas heating; internal leakage detection; hose and yoke,
HD	full ne ive

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