

Specification for Double Puncture Laparoscopes

Sr. No.	Description of Item/Accessory	Proposed specifications	Quantity
1	Telescope	Telescope 30 degree enlarged view, 5 to 10 mm diameter. Can be sterilized by autoclaving, cidex solutions and by Formalin Chamber. Fibre optic light transmission incorporated; should be compatible with the commonly available fibre optic light cables (necessary adaptors should be provided) Fit for purpose	1
2	Trocar & Cannula for telescopes	Cannula size + 1 mm more than the telescope diameter; should have an automatic valve and stopcock for insufflation. Trocar should have pyramidal tip.	2
3	3 (a) Ring Applicator	Ring applicator double puncture approach, for use the Trocar size 5 to 7 mm, capable of loading two silastic rings	2
	3(b) Trocar and Cannula for Ring Applicator	Cannula size + 1 mm more than the ring applicator. Trocar should have pyramidal dip. Anti fogging solution(100 ml.) to be provided with both. The length of the Trocar should be 160 -170 mm and the length of the cannula should be 100 - 110 mm	2
4.	Cone	Suitable cones for loading rings to the above applicator	5
5.	Slide/guide	Suitable slides/guide for loading rings to the above applicator	10
6.	Veress Needle	Veress Needle with spring loaded blunt stylet with luer lock and length of 10 cm	3
7.	Veress Needle	Veress Needle with spring loaded blunt stylet with luer lock and length of 15 cm	3
8	Essential Spares		
	i) Spare Washers	Spare washers for trocar and cannula and automatic valve	12
	ii) Kits for cleaning	iv) Trocar Brush v) Cannula Brush vi) Cleaning Oil 100 ml	2 2 2
	iii) Manuals	Operation manual Service manual Spare parts list (with part nos.)	1 1 1
9	Environment	Telescope should be specified for operation up to 45°C and 100% relative humidity	1

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For the purpose of specification it is OK.
inter/amn only single puncture
JAIN