



ANNEX 1

TECHNICAL SPECIFICATIONS

VEIN FINDER

1. The product should be able to define the subcutaneous veins for the purpose of cannulation.
2. It should make it easy to identify the valves in the veins.
3. It should be light weight, not more than 300grams.
4. It should be small and easy to be hand held.
5. It should function on the principle of class 2 red laser light. The veins should stand out in the light background.
6. It should comply to IEC/EN 60825-1 laser safety norms.
7. It should have an inverse display, with veins appearing lighter compared to background.
8. The battery should last at least 3 hours.
9. It should be supplied with the battery charger.
10. The battery should be displayed on the screen.
11. It should function at temperatures of 10oC to 50oC.
12. It should be FDA/ CE approved.





INDIRECT OPHTHALMOSCOPE

- High resolution camera, CCD 4 mega pixels approx. at least 460 lines.
 - Fully integrated camera system which is dustproof, best optics and focus, which can be adjusted to 350 to 550 mm with approx. weight of 240 gm.
 - “C” mount and processor compact with facility for attachment to VCR, digital printers, pc etc.
 - PC with image capture software.
 - Digital printer to be provided along with standard accessories.
 - Video cable 3. S-VHS cable
 - Apertures and Filters: Can be “locked” into a desired position.
 - Adjustment Levers: Also feature a “Friction-Clutch” (“Safety Clutch”) to protect mechanisms from forced adjustment while in the “lock” position.
 - Increased PD Range: From 46–74mm.
 - Soft Touch Controls: All key adjustment controls feature soft touch surfaces for precise and positive adjustment control
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- Binocular indirect ophthalmoscope with precision viewing up to 1.0 mm pupil approx.
 - Spot size: 3 integrated spot sizes are there to choose from small spot, medium spot and large spot.
 - Filters: 3 integrated filters to choose from red-free, cobalt blue and yellow filters.
 - Vertical adjustment: separately available for adjustment of beam illuminator of ± 4 .
 - Integrated flip up adjustment: optics which can be flipped and locked at 0° , 12.5° , 47.5° , 60° .
 - Aperture and filter adjustment levers: can be locked to the desired position required.
 - Locking aperture and filter adjustment (safety clutch): protect mechanism from the forced adjustment while in the lock position.
 - P.D. Range from 46-74mm approx.
 - Integrated on/off switch in headband along with headband rheostat.
 - Soft start technology: a gradual introduction of current reduces bulb “shock” and extends bulb life.

Accessories for Binocular indirect ophthalmoscope.

- Spare Bulbs – 10
- Large and small scleral depressor
- Carrying case
- Rechargeable battery
- Transformer compatible with voltage system.

Accessories for Video imaging system

- Table for PC
- Voltage stabilizer
- Carrying case for CCD camera along with binocular indirect ophthalmoscope.
- Optional Accessories: 1. VCR with video recording system.

