

RUDOLF Medical GmbH + Co. KG, Zollerstr. 1, 78567 Fridingen, Germany

Alexandr Ermicev, Director
LABROMED LABORATOR SRL
Republic of Moldova
Chisinau, MD2038
Trandafirilor 15
Office 134

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Technical Specifications of LP100-030 and EU140-030

Dear Alexandr,

We can confirm the following technical specifications of the following products:

LP100-030 LAPAROSCOPE, AUTOCLAVABLE, Ø 10.0 MM,30°, WL 340 MM, 4K READY

- Proximal and distal end lens material: sapphire resistant to chemical, thermal and mechanical agents
- No illumination decay from the center to the edges
- **With sapphire gold soldering technology superior to bonding with quality guarantee for over 5 years**
- Quality and focus of the internal optical system: rigid lenses - type "Rod Lens System" with anti-reflection technology, made of high-quality optical glass or sapphire, which maximizes light transmission and reduces internal reflections, providing clear and precise images in the field of view.
- Illumination: integrated fiberoptic system, with uniform light transmission (with minimum flux of 2000 lumens)
- Minimal risk of burns; requires lower lamp performance at the same brightness level
- Wide viewing angle, with the geometric image distortion index $\leq 1\%$
- Immersible in washing, disinfection, chemical sterilization solutions with a list of recommendations for solutions that ensure the mentioned processes
- Outer material resistant to chemical, thermal and mechanical agents
- Autoclavable 134 degrees **steam** sterilization. (Equivalent KARL STORZ reference code 26003BA)
- **Plasma sterilization:** We have **not** performed any validation for plasma sterilization and therefore **cannot** recommend plasma sterilization. If the customer would like to perform plasma sterilization, it is in the responsibility of the customer to validate the process.

EU140-030 CYSTOSCOPE, AUTOCLAVABLE 4,0 MM,30°, WL 302 MM

- Autoclavable, steam sterilization
- Light transmission with built-in optical fiber
- Sapphire lenses, rod lens system distal and proximal. For KARL STORZ resectoscope. Equivalent to KARL-STORZ reference code 27005BA

Sincerely,
RUDOLF Medical GmbH + Co. KG

Ramon Braun

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Product Manager Endoscopes