

Epic Hygiene Laser Indications

Soft Tissue

- Reduction of bacterial level (decontamination) and inflammation
- Sulcular debridement (removal of diseased, infected, inflamed and necrosed soft tissue in the periodontal pocket to improve clinical indices including gingival index, gingival bleeding index, probe depth, attachment loss and tooth mobility)
- Laser removal of diseased, infected, inflamed and necrosed soft tissue within the periodontal pocket
- Laser soft tissue curettage
- Hemostasis and coagulation
- Treatment of canker sores, herpetic and aphthous ulcers of the oral mucosa
- Removal of highly inflamed edematous tissue affected by bacteria penetration of the pocket lining and junctional epithelium



Epic **Hygiene**

Epic Hygiene Technical Specifications

General

- Dimension (W x L x H) 5.7 in. x 6.5 in. x 4.4 in.
(14.5 cm x 11.2 cm x 16.5 cm)
- Weight 2.5 lbs. (1kg)

Electrical

- Operating Voltage 100 V - 240 V ~ at 1.5 A
- Frequency 50/60 hz
- External Fuses None
- Main Control Main Power Switch (ON/OFF Control Button)
- Remote Interruption Remote Interlock
- Disable Control Emergency Stop Button
- Battery Lithium Ion Rechargeable, 14.4 V, 2.9 Ah
- DC Power Supply Module 12 V DC, 5 A

Other Light Sources

- Aiming Beam Laser diode, max. 1 mW, 625 nm, Class 2

Laser

- Laser Classification IV (4)
- Medium InGaAs Semi-conductor diode
- Wavelength 980 ± 10nm
- Max Power Output 1.5 W Max Avg. Power, 10 W Max Peak Power
- Power Accuracy ± 20%
- Operating Modes Continuous, Pulse Modulation
- Fiber Tip Diameter 400 μm
- Pulse Duration 0.01 ms – 20 ms
- Pulse Interval 0.04 ms – 20 ms
- Pulse Repetition Rate Up to 20 kHz (for reference)
- Normal Occluar Hazard Distance 1.625 meters
- Maximum Permissible Exposure 30 W/m²
- Beam Divergence 8 –22° per side
- Standard Fiber Cable Length 5 feet (1.5 meters)

IMPORTANT: Review all Contraindications, Warnings and Precautions presented in the User Manual before proceeding with using a laser device on patients.
NOTE: Any tissue growth (i.e., cyst, neoplasm or other lesions) must be submitted to a qualified laboratory for histopathological evaluation.
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