

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" x 6.5" x 4.4" (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, 14.6 V, 2.75 Ah
DC Power Supply Module	12 V DC, 5 A

Laser

Laser Classification	IV (Class 4)
Medium	InGaAs Semiconductor diode
Wavelength	980 ± 10nm
Max Power Output	1.5 W Max Avg. Power, 10 W Max Peak Power
Power Accuracy	± 20%
Operating Modes	Continuous Wave (CW), Pulse Modes (10%, 20%, 33%, 50% duty cycles)
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 Ocular Hazard Distance	5' 4" (1.625 meters)
Maximum Permissible Exposure	36.31 W/m ²
Beam Divergence	25.4° full angle
Standard Fiber Cable Length	6' 7" (2 meters)

Other Light Sources

Aiming Beam	Laser diode, Max. 5 mW, 625nm-670nm, Class 2
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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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