



JUL 30 1999

Food and Drug Administration  
9200 Corporate Boulevard  
Rockville MD 20850

Marilyn M. Chou, Ph.D.  
Executive Vice President  
Convergent Laser Technologies  
900 Alice Street  
Oakland, California 94607

Re: K990914  
Trade Name: Polaris™ Diode Laser System and Accessories  
Regulatory Class: II  
Product Code: GEX  
Dated: July 15, 1999  
Received: July 16, 1999

Dear Dr. Chou:

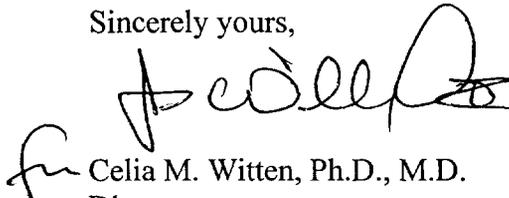
We have reviewed your Section 510(k) notification of intent to market the device referenced above and we have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

If your device is classified (see above) into either class II (Special Controls) or class III (Premarket Approval), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 895. A substantially equivalent determination assumes compliance with the current Good Manufacturing Practice requirement, as set forth in the Quality System Regulation (QS) for Medical Devices: General regulation (21 CFR Part 820) and that, through periodic (QS) inspections, the Food and Drug Administration (FDA) will verify such assumptions. Failure to comply with the GMP regulation may result in regulatory action. In addition, FDA may publish further announcements concerning your device in the Federal Register. Please note: this response to your premarket notification submission does not affect any obligation you might have under sections 531 through 542 of the Act for devices under the Electronic Product Radiation Control provisions, or other Federal laws or regulations.

This letter will allow you to begin marketing your device as described in your 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801 and additionally 809.10 for in vitro diagnostic devices), please contact the Office of Compliance at (301) 594-4595. Additionally, for questions on the promotion and advertising of your device, please contact the Office of Compliance at (301) 594-4639. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR 807.97). Other general information on your responsibilities under the Act may be obtained from the Division of Small Manufacturers Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its internet address "<http://www.fda.gov/cdrh/dsmamain.html>".

Sincerely yours,

A handwritten signature in black ink, appearing to read "Celia M. Witten". The signature is written in a cursive style with a large, stylized initial "C".

Celia M. Witten, Ph.D., M.D.  
Director  
Division of General and  
Restorative Devices  
Office of Device Evaluation  
Center for Devices and  
Radiological Health

Enclosure

510(k) Number: #K990914

Device Name: Polaris™ Diode Laser System

Indications For Use:

The Polaris Diode Laser System and accessories are indicated for incision/excision, ablation, and coagulation (homeostasis) of soft tissue. Soft tissue which may be encountered in surgical procedures include skin, subcutaneous tissue, striated and smooth muscle, mucus membrane, lymph vessels and nodes, organs and glands and specifically for the following indications.

Specific surgical specialties include:

Dermatology and Plastic Surgery for

Photocoagulation of dermatological vascular lesions, including port wine stains, telangiectasia, angioma, spider nevi, and other benign vascular lesions.

Photothermolysis of blood vessels (treatment of facial and leg veins)

Removal of pigmented lesions

Photothermolysis

Dentistry (soft tissue only), including sulcular debridement (removal of diseased or inflamed soft tissue in the periodontal pocket) and oral surgery;

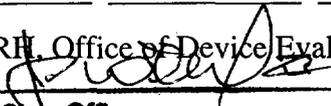
Ear Nose & Throat; Otorhinolaryngology; Neurosurgery (coagulation only);

Ophthalmology/Oculoplastic; Pulmonary/Thoracic Surgery;

Gastroenterology; Urology; Gynecology; Orthopedics; Podiatry; and General Surgery.

---

Concurrence of CDRL, Office of Device Evaluation (ODE)

  
(Division Sign-Off)

Division of General Restorative Devices

510(k) Number

K990914

Prescription Use

OR

Over-The-Counter Use

(21 CFR 801.109)