



DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration  
9200 Corporate Boulevard  
Rockville MD 20850

OCT 26 2000

Mr. David T. Sladek  
Thayer Medical Corporation  
4575 South Palo Verde Road, Suite 337  
Tucson, AZ 85714-1961

Re: K993101  
LiteAire  
Regulatory Class: II (two)  
Product Code: 73 CAF  
Dated: October 2, 2000  
Received: October 4, 2000

Dear Mr. Sladek:

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 legally marketed predicate 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.

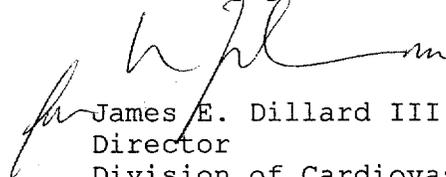
If your device is classified (see above) into either class II (Special Controls) or class III (Premarket Approval), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 895. A substantially equivalent determination assumes compliance with the Current Good Manufacturing Practice requirements, 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.

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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) 594-4648. 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/dsma/dsmamain.html>".

Sincerely yours,



for James E. Dillard III  
Director  
Division of Cardiovascular and  
Respiratory Devices  
Office of Device Evaluation  
Center for Devices and  
Radiological Health

Enclosure

**1.8 Indications for Use Statement**

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510(k) Number (if known): K993101

Device Name: LiteAire

**Indications For Use:**

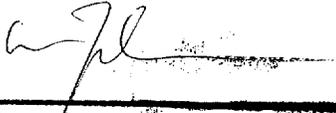
The LiteAire is a collapsible, disposable accessory device for use with a metered dose inhaler (MDI) canister and nozzle/mouthpiece provided by the MDI drug manufacturer. It is designed to be used with virtually all MDI nozzles/mouthpieces. The LiteAire is a dual-valved holding chamber designed to serve three major functions:

- To reduce the amount of MDI medication deposited in the patient's mouth and throat, thus reducing the potential for unwanted local or systemic side effects.
- To ease the problems that many patients have in synchronizing actuation of the MDI canister with the start of inhalation.
- To retain a significant portion of the MDI drug plume until the patient's next inhalation, in cases where actuation and inhalation are asynchronous.

The LiteAire is a non-sterile device for single-patient use.

(PLEASE DO NOT WRITE BELOW THIS LINE — CONTINUE ON ANOTHER PAGE IF NEEDED)

Concurrence of CDRH, Office of Device Evaluation (ODE)

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**(Division Sign-Off)**  
Division of Cardiovascular, Respiratory,  
and Neurological Devices  
510(k) Number K993101

Prescription Use   
(Per 21 CFR 801.109)

OR

Over-The-Counter Use

(Optional Format 1-2-96)