

**AUG 29 2001****Summary of Safety and Effectiveness****Liquichek™ Lipids Control****1.0 Submitter**

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**Contact Person**

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**Date of Summary Preparation**

August 3, 2001

**2.0 Device Identification**

Product Trade Name: Liquichek™ Lipids Control  
Common Name: Multi-Analyte Controls, (Assayed and unassayed)  
Classifications: Class I  
Product Code: 75JJT  
Regulation Number: CFR 862.1660

**3.0 Device to Which Substantial Equivalence is Claimed**

Liquichek™ Lipids Control  
Bio-Rad Laboratories  
Irvine, California

Docket Number: K002460

**4.0 Description of Device**

Liquichek™ Lipids Control is prepared from human serum with added constituents of human and animal origin, pure chemicals preservatives and stabilizers. The control is provided in liquid form for convenience.

**5.0 Statement of Intended Use**

Liquichek™ Lipids Control is intended for use as an assayed quality control serum to monitor the precision of laboratory testing procedures listed in the package insert.

**6.0 Comparison of the new device with the Predicate Device**

The new Liquichek™ Lipids Control claims substantial equivalence to the Liquichek™ Lipids Control currently in commercial distribution (K002460). The new Liquichek™ Lipids Control contains C-reactive Protein (CRP) and the current product does not.

**Table 1.** Similarities and Differences between new and predicate device

Characteristics	Bio Rad Liquichek™ Lipids Control (New Device)	Bio Rad Liquichek™ Lipids Control (Predicate Device)
<b>Similarities</b>		
<b>Intended Use</b>	Liquichek™ Lipids Control is intended for use as an assayed quality control serum to monitor the precision of laboratory testing procedures for the analytes listed in the package insert.	Liquichek™ Lipids Control is intended for use as an assayed quality control serum to monitor the precision of laboratory testing procedures for the analytes listed in the package insert.
<b>Form</b>	Liquid	Liquid
<b>Matrix</b>	Human serum based	Human serum based
<b>Storage (Unopened)</b>	-10 °C to -20°C until expiration date	-10 °C to -20°C until expiration date
<b>Storage (Thawed and unopened)</b>	14 days at 2-8°C	14 days at 2-8°C
<b>Open Vial Claim</b>	14 days at 2-8°C	14 days at 2-8°C
<b>Differences</b>		
<b>Analytes</b>	Similar analytes as the predicate device with the additional claims for CRP	Does not contain CRP.

**7.0 Summary of Performance Data**

Stability studies have been performed to determine the open vial stability and shelf life for the Liquichek™ Lipids Control. Product claims are as follows:

- 7.1 Thawed and unopened vial: Once the control material is thawed and the vial is unopened all analytes will be stable for 14 days at 2-8°C.
- 7.2 Open vial: Once the control material is thawed and opened, all analytes will be stable for 14 days when stored tightly capped at 2-8°C.
- 7.3 Shelf Life: 36 months when stored at -10 to -20 °C

Real time studies will be ongoing to support the shelf life of this product.

All supporting data is retained on file at Bio-Rad Laboratories.



DEPARTMENT OF HEALTH & HUMAN SERVICES

Food and Drug Administration  
2098 Gaither Road  
Rockville MD 20850

AUG 29 2001

Ms. Elizabeth Platt  
Regulatory Affairs Manager  
Bio-Rad Laboratories, QSD  
9500 Jeronimo Road  
Irvine, CA 92618

Re: K012513  
Trade/Device Name: Liquichek Lipids Control  
Regulation Number: 21 CFR 862.1660  
Regulatory Class: I, reserved  
Product Code: JJY  
Dated: August 3, 2001  
Received: August 6, 2001

Dear Ms. Platt:

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 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 Good Manufacturing Practice for Medical Devices: General (GMP) regulation (21 CFR Part 820) and that, through periodic GMP 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.

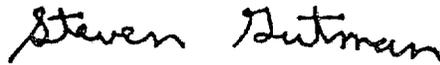
This letter will allow you to begin marketing your device as described in your 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

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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) 594-4588. 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" (21CFR 807.97). Other general information on your responsibilities under the Act may be obtained from the Division of Small Manufacturers International and Consumer 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,



Steven I. Gutman, M.D., M.B.A.  
Director  
Division of Clinical Laboratory Devices  
Office of Device Evaluation  
Center for Devices and  
Radiological Health

Enclosure

510 (k) Number (if known): K012513

Device Name: **Liquichek™ Lipids Control**

Indications for Use:

**Assayed quality control serum to monitor the precision of laboratory testing procedures for the analytes listed in the package insert**

(PLEASE DO NOT WRITE BELOW THE LINE-CONTINUE ON ANOTHER PAGE IF NEEDED)

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*Concurrence of CDRH, Office of Device Evaluation (ODE)*

Prescription use  or Over-the Counter use

Kesia Alexander for Jan Cooper  
(Division Sign-Off)  
Division of Clinical Laboratory Devices  
510(k) Number K012513