DEPARTMENT OF HEALTH & HUMAN SERVICES

Public Health Service

Food and Drug Administration
2098 Gaither Road
Rockville MD 20850

MAR 24 2006

Arkray, Inc.
c/o Ms. Helen Landicho, RAC
Director of Regulatory Affairs
Polymedco, Inc.
510 Furnace Dock Rd.
Cortlandt Manor, NY 10567

Re: k053401
Trade/Device Name: Arkray SPOTCHEM II Chemistry Basic 1
Arkray SPOTCHEM II Chemistry Basic 2
Regulation Number: 21 CFR§862.1145
Regulation Name: Calcium test system
Regulatory Class: Class II
Product Code: CIC, JGZ, CGA, CIX, CGX, CJE, CIG, CEK, CIS, CKA
Dated: March 16, 2006
Received: March 17, 2006

Dear Ms. Landicho:

We have reviewed your Section 510(k) premarket notification of intent to market the device referenced above and 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) that do not require approval of a premarket approval application (PMA). 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.

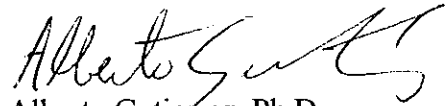
If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to such additional controls. Existing major regulations affecting your device can be found in Title 21, Code of Federal Regulations (CFR), Parts 800 to 895. In addition, FDA may publish further announcements concerning your device in the Federal Register.

Please be advised that FDA's issuance of a substantial equivalence determination does not mean that FDA has made a determination that your device complies with other requirements of the Act or any Federal statutes and regulations administered by other Federal agencies. You must comply with all the Act's requirements, including, but not limited to: registration and listing (21 CFR Part 807); labeling (21 CFR Parts 801 and 809); and good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820).

This letter will allow you to begin marketing your device as described in your Section 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 information about the application of labeling requirements to your device, or questions on the promotion and advertising of your device, please contact the Office of In Vitro Diagnostic Device Evaluation and Safety at (240) 276-0484. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). You may obtain other general information on your responsibilities under the Act 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/industry/support/index.html.

Sincerely yours,



Alberto Gutierrez, Ph.D.
Director
Division of Chemistry and Toxicology
Office of In Vitro Diagnostic Device
Evaluation and Safety
Center for Devices and
Radiological Health

Enclosure

Indications for Use

510(k) Number (if known): K053401

Device Name: Arkray SPOTCHEM II Chemistry Basic 1

Indications For Use:

The SPOTCHEM II Chemistry Basic 1 Calcium test is intended to measure the concentration of calcium in serum, plasma and whole blood. Serum calcium measurements are used in the diagnosis and treatment of parathyroid disease, a variety of bone diseases, chronic renal disease and tetany (intermittent muscular contractions or spasms).

The SPOTCHEM II Chemistry Basic 1 Blood Urea Nitrogen (BUN) test is intended to measure the concentration of urea nitrogen in serum, plasma and whole blood. Blood urea nitrogen measurements are used in the diagnosis and treatment of certain renal and metabolic diseases.

The SPOTCHEM II Chemistry Basic 1 Glucose test is intended to measure the glucose concentration in serum, plasma, and whole blood. Glucose measurements are used in the diagnosis and treatment of carbohydrate metabolism disorders including diabetes mellitus, neonatal hypoglycemia, and idiopathic hypoglycemia, and of pancreatic islet cell carcinoma.

The SPOTCHEM II Chemistry Basic 1 Albumin test is intended to measure the albumin concentration in serum, plasma, and whole blood. Measurements of albumin are used in the diagnosis and treatment of numerous diseases involving the liver or kidneys.

Prescription Use ___√___ AND/OR Over-The-Counter Use_____
(Part 21 CFR 801 Subpart D) (21 CFR 807 Subpart C)

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

Concurrence of CDRH, Office of In Vitro Diagnostic Devices (OIVD)

Carol Benson
Division Sign-Off

Office of In Vitro Diagnostic Device Evaluation and Safety

510(k) K053401

Indications for Use

510(k) Number (if known):

Device Name: Arkray SPOTCHEM II Chemistry Basic 1

Indications For Use:

The SPOTCHEM II Chemistry Basic 1 Creatinine test is intended to measure the concentration of creatinine in serum, plasma, and whole blood. Creatinine measurements are used in the diagnosis and treatment of renal diseases, in monitoring renal dialysis, and as a calculation basis for measuring other urine analytes.

Prescription Use √ AND/OR Over-The-Counter Use _____
(Part 21 CFR 801 Subpart D) (21 CFR 807 Subpart C)

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Carol C Benson
Division Sign-Off

Office of In Vitro Diagnostic
Device Evaluation and Safety

510(k) K053401

Indications for Use

510(k) Number (if known): K053401

Device Name: Arkray SPOTCHEM II Chemistry Basic 2

Indications For Use:

The SPOTCHEM II Chemistry Basic 2 ALP test is intended to measure ALP activity in serum, plasma, and whole blood. Measurements of alkaline phosphatase or its isoenzymes are used in the diagnosis and treatment of liver, bone, parathyroid, and intestinal diseases.

The SPOTCHEM II Chemistry Basic 2 Total Bilirubin test is intended to measure the levels of bilirubin in serum, plasma, and whole blood. Measurements of the levels of bilirubin are used in the diagnosis and treatment of liver, hemolytic hematological, and metabolic disorders, including hepatitis and gall bladder block.

The SPOTCHEM II Chemistry Basic 2 Total Protein test is intended to measure total protein in serum, plasma, and whole blood. Measurements of total protein are used in the diagnosis and treatment of a variety of diseases involving the liver, kidney, or bone marrow, as well as other metabolic and nutritional disorders.

The SPOTCHEM II Chemistry Basic 2 AST test is intended to measure AST activity in serum, plasma, and whole blood. Aspartate amino transferase measurements are used in the diagnosis and treatment of certain types of liver and heart disease.

Prescription Use √ AND/OR Over-The-Counter Use _____
(Part 21 CFR 801 Subpart D) (21 CFR 807 Subpart C)

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Evaluation and Safety

K053401

Indications for Use

510(k) Number (if known): K053401

Device Name: Arkray SPOTCHEM II Chemistry Basic 2

Indications For Use:

The SPOTCHEM II Chemistry Basic 2 ALT test is intended to measure ALT activity in serum, plasma, and whole blood. Alanine amino transferase measurements are used in the diagnosis and treatment of certain liver diseases (e.g., viral hepatitis and cirrhosis) and heart diseases.

Prescription Use ___√___ AND/OR Over-The-Counter Use_____
(Part 21 CFR 801 Subpart D) (21 CFR 807 Subpart C)

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Evaluation and Safety

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