

Food and Drug Administration 10903 New Hampshire Avenue Document Control Center – WO66-G609 Silver Spring, MD 20993-0002

March 4, 2015

Hospira, Inc. Charles Neitzel Senior Regulatory Affairs Associate D-0393 Bldg. H3 375 North Field Street Lake Forest, IL 60045

Re: K143087

Trade/Device Name: Hospira Blood Sets Regulation Number: 21 CFR 880.5440

Regulation Name: Intravascular Administration Set

Regulatory Class: II Product Code: FPA Dated: January 29, 2015 Received: January 30, 2015

Dear Charles Neitzel:

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. Please note: CDRH does not evaluate information related to contract liability warranties. We remind you, however, that device labeling must be truthful and not misleading.

If your device is classified (see above) into either class II (Special Controls) or class III (PMA), it may be subject to additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 898. In addition, FDA may publish further announcements concerning your device in the <u>Federal Register</u>.

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 Part 801); medical device reporting (reporting of medical device-related adverse events) (21 CFR 803); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820); and if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801), please contact the Division of Industry and Consumer Education at its toll-free number (800) 638-2041 or (301) 796-7100 or at its Internet address

http://www.fda.gov/MedicalDevices/ResourcesforYou/Industry/default.htm. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR Part 807.97). For questions regarding the reporting of adverse events under the MDR regulation (21 CFR Part 803), please go to

http://www.fda.gov/MedicalDevices/Safety/ReportaProblem/default.htm for the CDRH's Office of Surveillance and Biometrics/Division of Postmarket Surveillance.

You may obtain other general information on your responsibilities under the Act from the Division of Industry and Consumer Education at its toll-free number (800) 638-2041 or (301) 796-7100 or at its Internet address

http://www.fda.gov/MedicalDevices/ResourcesforYou/Industry/default.htm.

Sincerely yours,

Erin I. Keith -S

Erin I. Keith, M.S.
Director
Division of Anesthesiology, General Hospital,
Respiratory, Infection Control and Dental Devices
Office of Device Evaluation
Center for Devices and
Radiological Health

Enclosure

DEPARTMENT OF HEALTH AND HUMAN SERVICES Food and Drug Administration

Indications for Use

Form Approved: OMB No. 0910-0120 Expiration Date: December 31, 2013 See PRA Statement on last page.

510(k) Number <i>(if known)</i> K143087				
Device Name Hospira Blood Sets				
Indications for Use (Describe) Hospira Blood sets are indicated for the delivery of fluids including by	out not limited to blood and blood products from a container to a			
patient's vascular system.				
Type of Use (Select one or both, as applicable)				
	Over-The-Counter Use (21 CFR 801 Subpart C)			
PLEASE DO NOT WRITE BELOW THIS LINE – CONTINUE ON A SEPARATE PAGE IF NEEDED.				
FOR FDA USE ONLY				
Concurrence of Center for Devices and Radiological Health (CDRH) (Signature)				

This section applies only to requirements of the Paperwork Reduction Act of 1995.

DO NOT SEND YOUR COMPLETED FORM TO THE PRA STAFF EMAIL ADDRESS BELOW.

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Department of Health and Human Services Food and Drug Administration Office of Chief Information Officer Paperwork Reduction Act (PRA) Staff PRAStaff@fda.hhs.gov

"An agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a currently valid OMB number."



Section 5 510(k) Summary

A summary of 510(k) safety and effectiveness information in accordance with the requirements of 21 CFR 807.92 for Hospira Blood Sets.

Submitter Information	
Name	Hospira, Incorporated
Address	D-393, Bldg. H3
	375 North Field Drive
	Lake Forest, IL. 60046
Phone number	(224) 212-6087
Fax number	(224) 212-5401
Establishment Registration Number	3005579246 (Owner/Operator #9063339)
Name of contact person	Charles Neitzel, Senior Regulatory Affairs Specialist
Date prepared	10/24/2014
Name of device	
Trade or proprietary name	Blood Sets
Common or usual name	I.V Administration Sets
Classification name	Intravascular Administration Set, 21 CFR 880.5440, Class II
Product Code(s)	FPA
Legally marketed device(s) to which equivalence is claimed	Hospira Infusion Blood Sets – K101677
Reason for 510(k) submission	The changes addressed in this submission include:
	Modification to Secure Lock Male Luer
Device description	The Hospira Blood Sets with Secure Lock are intended for use as gravity sets. Hospira Blood sets are comprised of various components including the following: male luer adapter with cap, tubing, flow control device, piercing pin assembly, burette assembly / blood pump assembly / or blood cylinder assembly, and injection site assembly. Blood sets are configured to ensure the intended use of the device is met. Hospira Blood sets are intended for the delivery of fluids from a container to a patient's vascular system. The sets are disposable devices for single patient use.
Intended Use of Device	Hospira Blood sets are indicated for the delivery of fluids including but not limited to blood and blood products from a container to a patient's vascular system.



Summary of the technological	characteristics (of the device com	pared to the predicate device
Characteristic	Pred	licate	Proposed Device
Indications for Use	LifeShield Infusion Sets are intended for the delivery of fluids including but not limited to blood and blood products from a container to a patient's vascular system.		Hospira Blood sets are indicated for the delivery of fluids including but not limited to blood and blood products from a container to a patient's vascular system.
Design and Materials of Contruction	The design and materials of construction are as cleared under the predicte 510(k) Hospira Blood Sets are comprised of the following minimum components:		The design and materials of construction remain the same as the predicate product with the following exceptions:
			The male luer adapter material is changing to an alternate acrylic material. Minor dimensional modifications are being made to the male luer adapter to enhance connection with female luers.
	Component	Material Type	connection with female luers.
	Male Luer Adapter - Male / Luer Adapter - Spin Collar	- Acrylic - Polycarbonate	
	Hood / Cap	Polypropylene	
	Tubing	PVC, Non- Pthalatae	
	Flow Control Device	High Density Polyethylene or ABS	
	Piercing Pin Assembly	ABS / Polyetylene / Acrylic / Nylon	

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Summary of non-clinical tests for determination of substantial equivalence

All materials of construction for Hospira Blood Sets meet the applicable material test requirements for ISO 10993.

Cytotoxicity	ISO 10993-5
Sensitization	ISO 10993-10
Intracutaneous Reactivity	ISO 10993-10
Systemic Toxicity	ISO 10993-11
Subacute Toxicity	ISO 10993-11
Subchronic Toxicity	ISO 10993-11
Pyrogenicity	ISO 10993-11
Hemocompatibility	ISO 10993-4

New data has been generated demonstrating that all materials of construction for Hospira Blood Sets meet the applicable material test requirements for ISO 10993.

Cytotoxicity	ISO 10993-5
Sensitization	ISO 10993-10
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Pyrogenicity	ISO 10993-11
Hemocompatibility	ISO 10993-4

Hospira Blood Sets Traditional 510(k) Section 5: 510(k) Summary



Summary of Performance Testing	Performance testing was conducted to ensure the device performs as intended in accordance with applicable standards. All testing is acceptable.	New performance data has been generated to ensure the device performs as intended in accordance with ISO 594-1, ISO 594-2, ISO 1135-4. All testing is acceptable.	
	The product Sterility Assurance Level is 10 ⁻⁶ . ISO 1135-4:2012	The product Sterility Assurance Level is 10 ⁻⁶ ISO 1135-4:2012	
	Particulate Contamination Leakage Tensile Strength Closure-piercing pin Tubing Blood Filter Drip chamber and drip tube Flow Regulator Flow Rate Injection Site Male Conical Fitting Protective Caps ISO 594 Part 1: 1986 Gauging Liquid Leakage Air Leakage Separation Force Stress Cracking	Particulate Contamination Leakage Tensile Strength Closure-piercing pin Tubing Blood Filter Drip chamber and drip tube Flow Regulator Flow Rate Injection Site Male Conical Fitting Protective Caps ISO 594 Part 1:1986 Gauging Liquid Leakage Air Leakage Separation Force	
	ISO 594 Part 2: 1998 Gauging	ISO 594 Part 2: 1998	
	Leakage (liquid) Leakage (air) Separation Force Unscrewing Torque Ease of Assembly Resistance to Overriding Stress Cracking	Gauging Leakage (liquid) Leakage (air) Separation Force Unscrewing Torque Ease of Assembly Resistance to Overriding Stress Cracking	

Hospira Blood Sets Traditional 510(k) Section 5: 510(k) Summary

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Conclusion

Hospira Blood Sets meet the functional claims and intended use as described in the product labeling. The safety and effectiveness are substantially equivalent to the Infusion Blood Sets cleared under K101677.