Becton Dickinson Infusion Therapy Systems Inc.
Paul Holman
Regulatory Affairs Specialist
9450 South State Street
Sandy, Utah 84070

March 31, 2022

Re: K220584
Trade/Device Name: BD Cathena Safety IV Catheter
Regulation Number: 21 CFR 880.5200
Regulation Name: Intravascular Catheter
Regulatory Class: Class II
Product Code: FOZ
Dated: February 28, 2022
Received: March 1, 2022

Dear Paul Holman:

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. Although this letter refers to your product as a device, please be aware that some cleared products may instead be combination products. The 510(k) Premarket Notification Database located at https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfpmn/pmn.cfm identifies combination product submissions. 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 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 Part 801); medical device reporting (reporting of medical device-related adverse events) (21 CFR 803) for

devices or postmarketing safety reporting (21 CFR 4, Subpart B) for combination products (see https://www.fda.gov/combination-products/guidance-regulatory-information/postmarketing-safety-reporting-combination-products); good manufacturing practice requirements as set forth in the quality systems (QS) regulation (21 CFR Part 820) for devices or current good manufacturing practices (21 CFR 4, Subpart A) for combination products; and, if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR 1000-1050.

Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR Part 807.97). For questions regarding the reporting of adverse events under the MDR regulation (21 CFR Part 803), please go to https://www.fda.gov/medical-devices/medical-device-safety/medical-device-reporting-mdr-how-report-medical-device-problems.

For comprehensive regulatory information about medical devices and radiation-emitting products, including information about labeling regulations, please see Device Advice (https://www.fda.gov/medical-devices/device-advice-comprehensive-regulatory-assistance) and CDRH Learn (https://www.fda.gov/training-and-continuing-education/cdrh-learn). Additionally, you may contact the Division of Industry and Consumer Education (DICE) to ask a question about a specific regulatory topic. See the DICE website (https://www.fda.gov/medical-devices/device-advice-comprehensive-regulatory-assistance/contact-us-division-industry-and-consumer-education-dice) for more information or contact DICE by email (DICE@fda.hhs.gov) or phone (1-800-638-2041 or 301-796-7100).

Sincerely,

Payal Patel
Assistant Director
DHT3C: Division of Drug Delivery and
General Hospital Devices,
and Human Factors
OHT3: Office of GastroRenal, ObGyn,
General Hospital and Urology Devices
Office of Product Evaluation and Quality
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: 06/30/2023
See PRA Statement below.

510(k) Number *(if known)*
K220584

Device Name
BD Cathena™ Safety IV Catheter

Indications for Use *(Describe)*
BD Cathena™ Safety IV Catheters are intended to be inserted into a patient's peripheral vascular system for short term use to sample blood, monitor blood pressure, or administer fluids. These devices may be used for any patient population with consideration given to adequacy of vascular anatomy, procedure being performed, fluids being infused, and duration of therapy. These devices are suitable for use with power injectors set to a maximum pressure of 325 psi (2240 kPa).

Type of Use *(Select one or both, as applicable)*

☒ Prescription Use (Part 21 CFR 801 Subpart D) ☐ Over-The-Counter Use (21 CFR 801 Subpart C)

CONTINUE ON A SEPARATE PAGE IF NEEDED.

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

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510(k) Summary

Prepared on: 2022-02-28

Contact Details

21 CFR 807.92(a)(1)

Applicant Name	Becton Dickinson Infusion Therapy Systems Inc.
Applicant Address	9450 South State Street Sandy UT 84070 United States
Applicant Contact Telephone	8015225132
Applicant Contact	Mr. Paul Holman
Applicant Contact Email	paul.holman@bd.com

Device Name

21 CFR 807.92(a)(2)

Device Trade Name	BD Cathena™ Safety IV Catheter
Common Name	Intravascular catheter
Classification Name	Catheter, Intravascular, Therapeutic, Short-Term Less Than 30 Days
Regulation Number	880.5200
Product Code	FOZ

Legally Marketed Predicate Devices

21 CFR 807.92(a)(3)

Predicate #	Predicate Trade Name (Primary Predicate is listed first)	Product Code
K201717	BD Cathena™ Safety IV Catheter	FOZ

Device Description Summary

21 CFR 807.92(a)(4)

BD Cathena™ Safety IV Catheters are over-the-needle, intravascular (IV) catheters. These devices include a radiopaque BD Vialon™ catheter, needle, grip, passive safety needle shield, and flash chamber with removable vent plug. The needle and catheter are protected by a needle cover. These devices have BD Instaflash™ Needle Technology, allowing for immediate visualization of blood along the catheter. The flash chamber provides confirmation that the device has entered the vessel. The needle tip is passively protected when the needle is removed, reducing the risk of accidental needlestick injury.

These devices are available with or without multi-access BD Multiguard™ Technology, which is designed to stop the flow of blood from the catheter hub until a Luer connection is made. Once a connection is made, fluids or blood can flow through the catheter hub in either direction.

These devices are available with or without wings. The catheter hub and wings are color coded to indicate the catheter gauge size (24 GA (0.7 mm) = Yellow, 22 GA (0.9 mm) = Blue, 20 GA (1.1 mm) = Pink, 18 GA (1.3 mm) = Green, 16 GA (1.7 mm) = Grey). These devices are not made with natural rubber latex.

Intended Use/Indications for Use

21 CFR 807.92(a)(5)

BD Cathena™ Safety IV Catheters are intended to be inserted into a patient's peripheral vascular system for short term use to sample blood, monitor blood pressure, or administer fluids. These devices may be used for any patient population with consideration given to adequacy of vascular anatomy, procedure being performed, fluids being infused, and duration of therapy. These devices are suitable for use with power injectors set to a maximum pressure of 325 psi (2240 kPa).

Indications for Use Comparison

21 CFR 807.92(a)(5)

☒ Is the predicate device legally marketed?
Yes. The predicate device, BD Cathena™ Safety IV Catheter, was cleared under K201717.

☒ Do the devices have the same intended use?
Yes. The subject and predicate devices have the same intended use.

Technological Comparison

21 CFR 807.92(a)(6)

☒ Do the devices have the same technological characteristics?
Yes. The subject and predicate devices have the same technological characteristics.

Non-Clinical and/or Clinical Tests Summary & Conclusions

21 CFR 807.92(b)

A Risk Analysis in accordance with ISO 14971:2019 was conducted to assess the impact of the proposed modifications to the predicate device.

Performance tests completed on the subject device were limited to those tests required to support a determination of substantial equivalence to the predicate device. When technological characteristics between the subject and predicate devices were found to be identical, results of performance testing conducted on the predicate device were applied to the subject device. The performance tests listed below were conducted to ensure that the subject device meets pre-determined design requirements:

- Testing per ISO 10555-1:2013
  - o Gravity Flow Rate

Based on the indications for use, technological characteristics, and results of performance testing, the subject BD Cathena™ Safety IV Catheter is substantially equivalent to the predicate device.