



May 21, 2020

Nexxt Spine, LLC
% Karen E. Warden, Ph.D.
President
BackRoads Consulting
PO Box 566
Chesterland, Ohio 44026

Re: K200969

Trade/Device Name: NEXXT MATRIXX[®] System
Regulation Number: 21 CFR 888.3080
Regulation Name: Intervertebral Body Fusion Device
Regulatory Class: Class II
Product Code: MAX
Dated: May 1, 2020
Received: May 4, 2020

Dear Dr. Warden:

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,

Brent L. Showalter, Ph.D.
Assistant Director (Acting)
DHT6B: Division of Spinal Devices
OHT6: Office of Orthopedic Devices
Office of Product Evaluation and Quality
Center for Devices and Radiological Health

Enclosure

Indications for Use

510(k) Number (if known)

K200969

Device Name

NEXXT MATRIX[®] System

Indications for Use (Describe)

When used as a lumbar intervertebral fusion device, the Nexxt Matrix[®] open devices are indicated for use at one or two contiguous levels in the lumbar spine, from L2-S1, in skeletally mature patients who have had six months of non-operative treatment for the treatment of degenerative disc disease (DDD) with up to Grade 1 spondylolisthesis. DDD is defined as back pain of discogenic origin with degeneration of the disc confirmed by history and radiographic studies. Additionally, the Nexxt Matrix[®] lumbar implants can be used as an adjunct to fusion in patients diagnosed with degenerative scoliosis. The device is intended for use with autograft and/or allograft comprised of cancellous and/or corticocancellous bone graft and with supplemental fixation.

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.

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510(k) Summary

Date: 20 May 2020

Sponsor: Nexxt Spine, LLC
14425 Bergen Blvd, Suite B
Noblesville, IN 46060
Office: 317.436.7801
Fax: 317.245.2518

Sponsor Contact: Andy Elsbury, President

510(k) Contact: Karen E. Warden, PhD
BackRoads Consulting Inc.
PO Box 566
Chesterland, OH 44026
Office: 440.729.8457

Proposed Trade Name: NEXXT MATRIXX[®] System

Common Name: Interbody fusion system

Device Classification: Class II

**Regulation Name,
Regulation Number,
Product Code:** Intervertebral fusion device with bone graft, lumbar, 888.3080, MAX

Submission Purpose: The subject 510(k) adds modified anterior lumbar interbody fusion (ALIF) and Lateral interbody devices to the NEXXT MATRIXX[®] System.

Device Description: The NEXXT MATRIXX[®] System is a collection of additively manufactured spacers for cervical, lumbar/lumbosacral and thoracolumbar implantation. The basic shape of these implants is a structural column to provide surgical stabilization of the spine. Each device comprises an external structural frame having a roughened surface (~7µm). The intervening geometric lattices have pores 300-700µm.
The inferior/superior aspects of the NEXXT MATRIXX[®] ALIF and Lateral devices incorporate a large vertical cavity which can be packed with bone graft material. The devices are available in an assortment of height, length, width and lordotic angulation combinations to accommodate the individual anatomic and clinical circumstances of each patient.

Indications for Use: When used as a lumbar intervertebral fusion device, the NEXXT MATRIXX[®] open devices are indicated for use at one or two contiguous levels in the lumbar spine, from L2-S1, in skeletally mature patients who have had six months of non-operative treatment for the treatment of degenerative disc disease (DDD) with up to Grade 1 spondylolisthesis. DDD is defined as back pain of discogenic origin with degeneration of the disc confirmed by history and radiographic studies. Additionally, the NEXXT MATRIXX[®] lumbar implants can be used as an adjunct to fusion in patients diagnosed with degenerative scoliosis. The device is intended for use with autograft and/or allograft comprised of cancellous and/or corticocancellous bone graft and with supplemental fixation.

Materials: NEXXT MATRIXX[®] implants are manufactured from Ti6Al4V ELI titanium alloy (ASTM F3001).

Primary Predicate: NEXXT MATRIXX[®] System (Nexxt Spine, LLC – K171140)

Additional Predicates: NEXXT MATRIXX[®] System (Nexxt Spine, LLC – K192687), NEXXT MATRIXX[®] System (Nexxt Spine, LLC – K193370)

Performance Data:	The modified devices were evaluated via dimensional analyses. The results demonstrated the performance of the modified ALIF and Lateral interbody devices to be substantially equivalent to the predicate.
Technological Characteristics:	<p>The modified NEXXT MATRIXX[®] System ALIF and Lateral devices possess the same technological characteristics as one or more of the predicate devices. These include:</p> <ul style="list-style-type: none">• performance (as described above),• basic design (additively manufactured structural interbody),• material (titanium alloy) and• size (dimensions are comparable to those offered by the cleared devices). <p>Therefore the fundamental scientific technology of the modified NEXXT MATRIXX[®] System devices is the same as previously cleared devices.</p>
Conclusion:	<p>The modified NEXXT MATRIXX[®] System devices possess the same intended use and technological characteristics as the predicate devices. Therefore the modified NEXXT MATRIXX[®] System devices are substantially equivalent for their intended use.</p>