



June 10, 2025

FUJIFILM Corporation
% Chaitrali Kulkarni
Sr. Regulatory Affairs Specialist
Fujifilm Healthcare Americas Corporation
81 Hartwell Ave. Suite 300
Lexington, Massachusetts 02421

Re: K243512

Trade/Device Name: FUJIFILM Endoscope Model EG-840N; FUJIFILM Endoscope Model EG-840T;
FUJIFILM Endoscope Model EG-840TP

Regulation Number: 21 CFR 876.1500

Regulation Name: Endoscope And Accessories

Regulatory Class: Class II

Product Code: FDS

Dated: May 9, 2025

Received: May 9, 2025

Dear Chaitrali Kulkarni:

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 (the 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 available 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.

Additional information about changes that may require a new premarket notification are provided in the FDA guidance documents entitled "Deciding When to Submit a 510(k) for a Change to an Existing Device" (<https://www.fda.gov/media/99812/download>) and "Deciding When to Submit a 510(k) for a Software Change to an Existing Device" (<https://www.fda.gov/media/99785/download>).

Your device is also subject to, among other requirements, the Quality System (QS) regulation (21 CFR Part 820), which includes, but is not limited to, 21 CFR 820.30, Design controls; 21 CFR 820.90, Nonconforming product; and 21 CFR 820.100, Corrective and preventive action. Please note that regardless of whether a change requires premarket review, the QS regulation requires device manufacturers to review and approve changes to device design and production (21 CFR 820.30 and 21 CFR 820.70) and document changes and approvals in the device master record (21 CFR 820.181).

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 Part 803) for devices or postmarketing safety reporting (21 CFR Part 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 Part 4, Subpart A) for combination products; and, if applicable, the electronic product radiation control provisions (Sections 531-542 of the Act); 21 CFR Parts 1000-1050.

All medical devices, including Class I and unclassified devices and combination product device constituent parts are required to be in compliance with the final Unique Device Identification System rule ("UDI Rule"). The UDI Rule requires, among other things, that a device bear a unique device identifier (UDI) on its label and package (21 CFR 801.20(a)) unless an exception or alternative applies (21 CFR 801.20(b)) and that the dates on the device label be formatted in accordance with 21 CFR 801.18. The UDI Rule (21 CFR 830.300(a) and 830.320(b)) also requires that certain information be submitted to the Global Unique Device Identification Database (GUDID) (21 CFR Part 830 Subpart E). For additional information on these requirements, please see the UDI System webpage at <https://www.fda.gov/medical-devices/device-advice-comprehensive-regulatory-assistance/unique-device-identification-system-udi-system>.

Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21 CFR 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,

Shanil P. Haugen -S

Shanil P. Haugen, Ph.D.

Assistant Director

DHT3A: Division of Renal, Gastrointestinal,
Obesity and Transplant Devices

OHT3: Office of Gastrorenal, ObGyn,
General Hospital, and Urology Devices

Office of Product Evaluation and Quality
Center for Devices and Radiological Health

Enclosure

Indications for Use

510(k) Number (if known)

K243512

Device Name

FUJIFILM Endoscope Model EG-840N;

FUJIFILM Endoscope Model EG-840T;

FUJIFILM Endoscope Model EG-840TP

Indications for Use (Describe)

FUJIFILM Endoscope Models EG-840T and EG-840TP is intended for the visualization of the upper digestive tract, specifically for the observation, diagnosis, and endoscopic treatment of the esophagus, stomach, and duodenum.

FUJIFILM Endoscope Model EG-840N is intended for the visualization of the upper digestive tract, specifically for the observation, diagnosis, and endoscopic treatment of the esophagus, stomach, and duodenum. This product can be inserted orally or nasally.

Never use this product for any other purposes.

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) #: K243512

510(k) Summary

Prepared on: 2025-06-05

Contact Details

[21 CFR 807.92\(a\)\(1\)](#)

Applicant Name	FUJIFILM Corporation
Applicant Address	798 Miyanodai Kaisei-Machil Ashigara Kami-Gun KANAGAWA 258-8538 Japan
Applicant Contact Telephone	704-517-4886
Applicant Contact	Ms. Chaitrali Kulkarni
Applicant Contact Email	hcusregulatoryaffairs@fujifilm.com
Correspondent Name	Fujifilm Healthcare Americas Corporation
Correspondent Address	81 Hartwell Ave. Suite 300 Lexington MA 02421 United States
Correspondent Contact Telephone	704-517-4886
Correspondent Contact	Ms. Chaitrali Kulkarni
Correspondent Contact Email	hcusregulatoryaffairs@fujifilm.com

Device Name

[21 CFR 807.92\(a\)\(2\)](#)

Device Trade Name	FUJIFILM Endoscope Model EG-840N; FUJIFILM Endoscope Model EG-840T; FUJIFILM Endoscope Model EG-840TP
Common Name	Endoscope and accessories
Classification Name	Gastroscope And Accessories, Flexible/Rigid
Regulation Number	876.1500
Product Code(s)	FDS

Legally Marketed Predicate Devices

[21 CFR 807.92\(a\)\(3\)](#)

Predicate #	Predicate Trade Name (Primary Predicate is listed first)	Product Code
K240142	FUJIFILM Endoscope Model EG-840N; FUJIFILM Endoscope Model EG-840T	FDS

Device Description Summary

[21 CFR 807.92\(a\)\(4\)](#)

A. Intended Use/indications for Use

FUJIFILM Endoscope Model EG-840T, EG-840TP is intended for the visualization of the upper digestive tract, specifically for the observation, diagnosis, and endoscopic treatment of the esophagus, stomach, and duodenum.

FUJIFILM Endoscope Model EG-840N is intended for the visualization of the upper digestive tract, specifically for the observation, diagnosis, and endoscopic treatment of the esophagus, stomach, and duodenum. This product can be inserted orally or nasally. Never use this product for any other purposes.

B. Technological Characteristics

The insertion portion of the device has a mechanism (hereinafter “the bending portion”) which bends the tip from right to left and up and down, and a flexible tube (hereinafter “the flexible portion”) consists of the bending portion and operating portion with a knob which controls the bending portion. The forceps channel which runs through the operating portion to the tip is arranged inside the insertion portion for inserting the surgical instrument. The insertion portion of the endoscopes comes into contact with the mucosal membrane.

The tip of the insertion portion is called the “Distal end” which contains the Imaging section, Distal cap, Objective lens, Air/water nozzle, Water jet nozzle (Except EG-840N), Instrument channel outlet, and Light guide. The bending portion is controlled by knobs on the control portion/operation section to angulate the distal end to certain angles.

The Flexible portion refers to the long insertion area between the Bending portion and the Control portion (a part of Non-insertion portion). This portion contains light guides (glass fiber bundles), air/water channels, a forceps/suction channel, a CMOS image sensor, and cabling. The glass fiber bundles allow light to travel through the endoscope to illuminate the body cavity, thereby providing enough light to the CMOS image sensor to capture an image and display the image on a monitor. The forceps channel is used to introduce biopsy forceps and other endoscopic accessories, as well as providing suction.

The control portion/operating section provides a grip to grasp the endoscopes and contains mechanical parts to operate the endoscopes. This section includes a Forceps inlet, which allows endoscope accessories to be introduced. The Scope connector connects the endoscopes to the light source.

C. Principles of Operation

The Endoscope Model EG-840N, EG-840T, and EG-840TP function on the same principles of operation as the predicate device. EG-840N, EG-840T, and EG-840TP are endoscopes for observation, diagnosis, and treatment of the upper digestive tract. After connecting to the light source and video processor, the devices guide the light through the fiber bundles situated inside the insertion portion of the device. The light that emits from the distal end of the insertion portion reflects from the target region and forms an image on the CMOS image sensor through a group of object lenses placed at the distal end of the devices. An electric signal from the image sensor is transmitted to the video processor connected to the device. The video processor converts the electric signal into a video signal and displays an image on a monitor.

Intended Use/Indications for Use

[21 CFR 807.92\(a\)\(5\)](#)

FUJIFILM Endoscope Models EG-840T and EG-840TP is intended for the visualization of the upper digestive tract, specifically for the observation, diagnosis, and endoscopic treatment of the esophagus, stomach, and duodenum.

FUJIFILM Endoscope Model EG-840N is intended for the visualization of the upper digestive tract, specifically for the observation, diagnosis, and endoscopic treatment of the esophagus, stomach, and duodenum. This product can be inserted orally or nasally. Never use this product for any other purposes.

Indications for Use Comparison

[21 CFR 807.92\(a\)\(5\)](#)

The indication for use for the proposed device and the predicate devices are same.

Technological Comparison

[21 CFR 807.92\(a\)\(6\)](#)

The subject devices FUJIFILM Endoscope Model EG-840N, EG-840T and EG-840TP are substantially equivalent to the predicate devices based on the same intended use, indications for use, technological characteristics and materials other than the delayed reprocessing instructions and software version.

The differences in the delayed reprocessing instructions raise no new issues of safety or effectiveness. Cleaning, Disinfection, and Sterilization (hereinafter “CDS”) validation testing data demonstrated that the subject devices are substantially equivalent in performance to the predicate devices.

The difference in software version has been validated through Software & Cybersecurity evaluation testing.

Thus, the subject devices FUJIFILM Endoscope Model EG-840N, EG-840T and EG-840TP are substantially equivalent to the predicate device, FUJIFILM Endoscope Model EG-840N, EG-840T and EG-840TP (K240142).

Non-Clinical and/or Clinical Tests Summary & Conclusions [21 CFR 807.92\(b\)](#)

Electrical safety of the subject device was evaluated using following standards: ANSI/AAMI ES 60601-1:2012, IEC 60601-1-2:2020, IEC60601-1-6:2020 and IEC 60601-2-18:2009.

Biocompatibility of the subject device was evaluated using the following consensus standards: ISO 10993-1:2018, ISO 10993-5:2009, and ISO 10993-10:2010. Biocompatibility testing was conducted in accordance with the FDA guidance, Use of International Standards ISO 10993-1, "Biological evaluation of medical devices - Part 1 : Evaluation and testing within a risk management process", issued June 16,2016.

Endoscope specific testing was conducted using the following consensus standards: ISO 8600-1:2015, ISO 8600-3:2019, and ISO 8600-4:2014.

Software specific testing was conducted using the following consensus standards: IEC 62304:2015. The software validation activities were performed in accordance with the FDA Guidance, Guidance for the Content of Premarket Submissions for Software Contained in Medical Devices, issued on May 11, 2005.

Validation of the cleaning, disinfection, and sterilization instructions was performed in accordance with FDA's guidance, "Reprocessing Medical Devices in Health Care Settings: Validation Methods and Labeling," published March 17,2015.

The subject device met performance specifications in the following additional testing:

- Field of view
- Diameter of forceps channel
- Uneven illumination
- Bending capability
- Viewing direction
- Color reproducibility
- Rate of suction
- Resolution
- Air volume
- Working length
- LG output
- Water volume

The subject devices FUJIFILM Endoscope Model EG-840N, EG-840T and EG-840TP are substantially equivalent to the predicate devices based on the same intended use, indications for use, technological characteristics and materials other than the delayed reprocessing instructions and software version.

The differences in the delayed reprocessing instructions raise no new issues of safety or effectiveness. CDS validation testing data demonstrated that the subject devices are substantially equivalent in performance to the predicate devices. The difference in software version has been validated through Software & Cybersecurity evaluation testing.

Thus, the subject devices FUJIFILM Endoscope Model EG-840N, EG-840T and EG-840TP are substantially equivalent to the predicate device, FUJIFILM Endoscope Model EG-840N, EG-840T and EG-840TP (K240142).