

AUG 8 0 2006

**510(k) SUMMARY**  
**EVIS EXERA II 180 SYSTEM**

**1. General Information**

- Applicant

OLYMPUS MEDICAL SYSTEMS CORP.  
 2951 Ishikawa-cho, Hachioji-shi,  
 Tokyo, 192-8507, Japan  
 Establishment Registration No.: 8010047
  
- Official Correspondent

Laura Storms-Tyler  
 Executive Director  
 Regulatory Affairs & Quality Assurance  
 Olympus America Inc.  
 3500 Corporate Parkway  
 PO Box 610  
 Center Valley PA 18034-0610  
 Phone: 484-896-5688  
 FAX: 484-896-7128  
 Email: Laura.storms-tyler @olympus.com  
 Establishment Registration No.: 2429304
  
- Manufacturer

Light source/Video system center: Shirakawa Olympus Co., Ltd.  
 3-1, Aza-Ookamiyama, Ooaza-Odakura, Nishigo-mura,  
 Nishishirakawa-gun, Fukushima, Japan 961-8061  
 Establishment Registration No.: 3002808148

Bronchoscope/  
 Rhino-Laryngoscope: Aizu Olympus Co., Ltd.  
 500 Aza-Muranishi, Ooaza-lidera, Monden-cho,  
 Aizuwakamatsu-shi, Fukushima, Japan 965-8520  
 Establishment Registration No.: 9610595

Suction valve/Biopsy valve: OLYMPUS MEDICAL SYSTEMS CORP. Hinode Plant  
 34-3 Hirai Hinode-machi, Nishitama-gun,  
 Tokyo, Japan 190-0182  
 Establishment Registration No.: 3003637092
  
- Date Prepared

April 1, 2006

## 2. Device Identification

- Device Name: EVIS EXERA II 180 System
- Common Name: Endoscopic Video Imaging System
- Class: II
- Classification:

**Table 16-1. Classification of the EVIS EXERA 160A System**

| Regulation Number | Regulation Name                                       | Product Code                                      | Classification Panel       |
|-------------------|---|---|----------------------------|
| 874.4680          | Bronchoscope (flexible or rigid) and accessories      | EOQ- Bronchoscope (Flexible or rigid)             | Ear, Nose & Throat         |
| 874.4760          | Nasopharyngoscope (flexible or rigid) and accessories | EOB- Nasopharyngoscope (Flexible or rigid)        |                            |
| 876.1500          | Endoscope and accessories                             | NWB- Endoscope, accessories, narrow band spectrum | Gastroenterology & Urology |

## 3. Legally Marketed Device to which Substantial Equivalence is Claimed

The following table shows the primary components (part of this submission) of the EVIS EXERA II 180 System and each device to which we claim substantial equivalence (predicate device).

**Table 16-2. Primary Components & Predicate Devices of the EVIS EXERA II 180 System**

| Subject Device (Part of this Submission)               | Predicate Device                                    | PD's 510(k) No. |
|--|---|-----------------|
| EVIS EXERA II XENON LIGHT SOURCE OLYMPUS CLV-180       | EVIS EXERA XENON LIGHT SOURCE OLYMPUS CLV-160A      | K051645         |
| EVIS EXERA II VIDEO SYSTEM CENTER OLYMPUS CV-180       | EVIS EXERA VIDEO SYSTEM CENTER OLYMPUS CV-160A      |                 |
| EVIS EXERA II BRONCHOVIDEOSCOPE OLYPUS BF TYPE P180    | EVIS EXERA BRONCHOVIDEOSCOPE OLYPUS BF TYPE 160     | K023984         |
| EVIS EXERA II BRONCHOVIDEOSCOPE OLYPUS BF TYPE Q180    |   |                 |
| EVIS EXERA II BRONCHOVIDEOSCOPE OLYPUS BF TYPE 1T180   |   |                 |
| VISERA RHINO-LARYNGO VIDEOSCOPE OLYMPUS ENF TYPE V2    | VISERA RHINO-LARYNGO VIDEOSCOPE OLYMPUS ENF TYPE V  | K031648         |
| VISERA RHINO-LARYNGO VIDEOSCOPE OLYMPUS XENF TYPE VTY1 | VISERA RHINO-LARYNGO VIDEOSCOPE OLYMPUS ENF TYPE VT | K052452         |

#### **4. Device Description**

The EVIS EXERA II 180 System consists of Olympus camera heads, endoscopes, video system center, light source, monitors, endo-therapy accessories and other ancillary equipment. This system is intended for endoscopic diagnosis, treatment and video observation of the airways, tracheobronchial tree, nasal lumens and airway anatomy.

The primary components of the subject system, which are part of this submission, are:

- EVIS EXERA II Xenon Light Source Olympus CLV-180,
- EVIS EXERA II Video System Center Olympus CV-180,
- EVIS EXERA II Bronchovideoscope Olympus BF -P180, BF -1T180, BF -Q180
- VISERA Rhino-Laryngo Videoscope Olympus ENF-V2, XENF-VTY1

The EVIS EXERA II Xenon Light Source Olympus CLV-180 is intended for endoscopic diagnosis, treatment and video observation. The CLV-180 is identical to the predicate device, EVIS EXERA Xenon Light Source CLV-160A cleared under K051645 except that the device size has been slightly changed. The CLV-180 has an optional filter which allows the user to enhance endoscopic white light images by selective processing of green and blue light. This feature, referred to as Narrow Band Imaging (NBI) employs an optical filter to filter the white light spectrum, changing it from a broad band to a narrow band. Both an endoscopic image by standard white light illumination and that by NBI illumination can be obtained. The user can select either the standard observation mode by pressing the scope switch on the scope or the NBI mode switch on the CLV-180. In comparison to conventional white light observation, NBI observation provides greater visual contrast of the surface structure and fine capillary patterns of the mucous membranes.

The EVIS EXERA II Video System Center Olympus CV-180 is a video processing system intended for use with Olympus endoscopes such as the subject endoscopes. The CV-180 Video System Center contains the video signal processing technology which enables the endoscope to illuminate, enhance, view, record and transmit video data of endoscopic images. The CV-180 is identical to the predicate device, EVIS EXERA Video System Center CV-160A, cleared under K051645 except that the device size has been slightly changed.

The CV-180 incorporates the following features:

1. The CV-180 is compatible with any specified Olympus flexible, both video and fiberoptic, and rigid endoscope.
2. The CV-180 processes the NBI image, generated by the CLV-160A light source and captured by the endoscope's Charged Coupled Device (CCD), creating an enhanced image of the tissue's vasculature.

Both the CLV-180 and CV-180 can be used with any specified Olympus flexible and rigid endoscope models, including gastroscopes, ultrasound gastroscopes, duodenoscopes, colonoscopes, sigmoidoscopes, choledochoscopes, bronchoscopes, rhino-laryngoscopes, tracheal intubation scopes, transnasal esophago scopes, hysteroscopes, cystoscopes, ureterorenoscopes, laparo-thorascopes, for conventional white light endoscopy. The flexible endoscopes which are the subject of this premarket notification are bronchoscope and rhino-laryngoscope models listed in Table 16-2.

Additionally, when they are combined with the new bronchovideoscopes (BF-P180, BF-1T180, BF-Q180), and rhino-laryngo videoscopes (ENF-V2, XENF-VTY1), both an endoscopic image by white light illumination and that by NBI illumination can be obtained. The user can select either the NBI mode or normal mode by pressing the scope switch on the scope or the NBI

mode switch on the CLV-160A; the NBI filter in the CLV-180 is inserted on the light axis when the NBI mode is selected.

The new endoscopes are basically identical to each predicate device shown in Table 16-2 in intended use, and similar in specifications, performance and materials. The CV-180 identifies an NBI-compatible scope when it is connected by using the Scope ID function provided with the scopes.

## **5. Indications for Use**

### **EVIS EXERA II XENON LIGHT SOURCE OLYMPUS CLV-180**

This light source has been designed to be used with Olympus endoscopes, video system center, and other ancillary equipment for endoscopic diagnosis, treatment and video observation.

### **EVIS EXERA II VIDEO SYSTEM CENTER OLYMPUS CV-180**

This video system center has been designed to be used with Olympus camera heads, endoscopes, light source, monitors, endo-therapy accessories and other ancillary equipment for endoscopic diagnosis, treatment and video observation.

### **EVIS EXERA II BRONCHOVIDEOSCOPE OLYMPUS BF TYPE P180, BF TYPE 1T180, BF TYPE Q180**

These instruments have been designed to be used with an Olympus video system center, light source, documentation equipment, video monitor, endo-therapy accessories (such as biopsy forceps) and other ancillary equipment for endoscopy and endoscopic surgery within the airways and tracheobronchial tree.

### **VISERA RHINO-LARYNGO VIDEOSCOPE OLYMPUS ENF TYPE V2**

This instrument has been designed to be used with an Olympus video system center, light source, documentation equipment, display monitor, and other ancillary equipment for endoscopic diagnosis within the nasal lumens and airway anatomy (including nasopharyngeal and trachea).

### **VISERA RHINO-LARYNGO VIDEOSCOPE OLYMPUS XENF TYPE VTY1**

This instrument has been designed to be used with an Olympus video system center, light source, documentation equipment, display monitor, endo-therapy accessories, and other ancillary equipment for endoscopic diagnosis and treatment within the nasal lumens and airway anatomy (including nasopharyngeal and trachea).

## **6. Comparison of Technological Characteristics**

Each primary component of the EVIS EXERA II 180 System is basically identical to its predicate device in intended use, and similar in specifications except for the addition of the NBI function. Comparison between the subject and predicate devices is shown in Table 16-3 to 16-9.

Table 16-3. Comparison of Specifications  
 Subject Device: EVIS EXERA II Xenon Light Source Olympus CLV-180  
 Predicate Device: EVIS EXERA Xenon Light Source Olympus CLV-160A (K051645)

| Specifications  | Subject Device<br>CLV-180        | Predicate Device<br>CLV-160A                        |
|---|----------------------------------|---|
| Power Supply  | 100-120V ~ ± 10%, 50/60 Hz ± 1Hz | 100-240V ~ ± 10%, 50/60Hz ± 1Hz                     |
| Over-current Protection                                     | Same as PD.                      | Fuse type   |
| Input Current   | Same as PD.                      | 500VA (at observation)                              |
| Size  | 383(W) × 162(H) × 536(D)mm       | 381(W) × 162(H) × 536(D)mm                          |
| Weight  | Same as PD.                      | 15.4kg  |
| Compatible Endoscopes                                       | Same as PD.                      | Videoscope Fiberscope Rigid scope                   |
| Examination Lamp  | Same as PD.                      | Xenon short-arc lamp (ozone-free)300W               |
| Average Lamp Life   | Same as PD.                      | Approximately 500 hours of continuous use           |
| Emergency Lamp  | Same as PD.                      | Halogen lamp 12V 35W                                |
| Average Emergency Lamp Life                                 | Same as PD.                      | Approximately 500 hours                             |
| NBI Filter  | Same as PD.                      | Provided.   |
| Brightness Control  | Same as PD.                      | Automatic and Manual                                |
| Automatic Exposure  | Same as PD.                      | 17 steps  |
| Photography Function  | Same as PD.                      | Not provided.                                       |
| Air Feeding   | Same as PD.                      | 4 levels available (off, low, mid, high)            |
| Air Feeding Pump  | Same as PD.                      | Diaphragm type pump                                 |
| System Connector  | Same as PD.                      | Provided  |
| Foot Switch Connector                                       | Same as PD.                      | Provided  |
| CV Connector  | Same as PD.                      | Provided  |
| Cooling Air Direction                                       | Same as PD.                      | Rear  |
| Type of Protection against Electric Shock                   | Same as PD.                      | Class I   |
| Degree of Protection against Electric Shock of Applied Part | Same as PD.                      | TYPE BF or CF applied part (Depend on applied part) |
| Applicable Standard   | Same as PD.                      | UL60601-1   |

**Table 16-4. Comparison of Specifications**  
**Subject Device: EVIS EXERA II Video System Center Olympus CV-180**  
**Predicate Device: EVIS EXERA Video System Center Olympus CV-160A (K051645)**

| Specifications  |                              | Subject Device<br>CV-180      | Predicate Device<br>CV-160A  |
|---|------------------------------|-------------------------------|--|
| Power Supply  |                              | Same as PD.                   | 100-240V~ ± 10%、50/60Hz ± 1Hz  |
| Over-current Protection                                     |                              | Same as PD.                   | Fuse type  |
| Input Current   |                              | Same as PD.                   | 150VA  |
| Size  |                              | 382(W) × 91(H) × 490<br>(D)mm | 370(W) × 91(H) × 462 (D)mm   |
| Weight  |                              | 10 kg                         | 10.6 kg  |
| Compatible Endoscopes                                       |                              | Same as PD.                   | <ul style="list-style-type: none"> <li>• Fiber/rigid scope via camera head</li> <li>• Videoscope</li> </ul>  |
| Observation   | Video Signal Output          | Same as PD.                   | RGB:3 Y/C:4 VBS:4 HDTV:1   |
|   | Auto White Balance           | Same as PD.                   | Automatically adjusted using the white balance switch.<br>At the time of connection with the scope in which Scope ID is provided, compensation is performed automatically. |
|   | Standard Color Chart Output  | Same as PD.                   | Color bar image  |
|   | Color Tone Adjustment        | Same as PD.                   | R: ±8 steps B: ±8 steps<br>CHROMA : ±8steps  |
|   | Automatic Gain Control (AGC) | Same as PD.                   | MAX gain: 18dB   |
|   | Image Enhancement            | Same as PD.                   | Edge enhancement: [OFF] [Low] [Med] [High] 4 levels available<br>Structure enhancement:[OFF] [Low] [Med] [High] 4 levels available   |
|   | Iris Mode Selection          | Same as PD.                   | AUTO/PEAK<br>EXPOSURE Electrical shutter   |
|   | Optical Zoom                 | Same as PD.                   | × 1/× 1.2 /× 1.5: 3-Mode   |
|   | NBI Observation              | Same as PD.                   | NBI function   |
|   | Picture in Picture           | Same as PD.                   | The image of an external device connected to this instrument is displayed on the main monitor together with the endoscopic image.  |
| Communication with Scope                                    |                              | Same as PD.                   | Provided   |
| Foot Switch Connector                                       |                              | Same as PD.                   | Provided   |
| Record to Memory Card                                       |                              | Same as PD.                   | Provided   |
| Type of Protection against Electric Shock                   |                              | Same as PD.                   | Class I  |
| Degree of Protection against Electric Shock of Applied Part |                              | Same as PD.                   | TYPE BF or CF applied part<br>(Depend on applied part)   |
| Applicable Standard   |                              | Same as PD.                   | UL60601-1  |

**Table 16-5. Comparison of Specifications**  
**Subject Device: EVIS EXERA II Bronchovideoscope BF-P180**  
**Predicate Device: EVIS EXERA Bronchovideoscope BF-160 (K023984)**

| <b>Specifications</b>                | <b>Subject Device<br/>BF-P180</b> | <b>Predicate Device<br/>BF-160</b> |
|--------------------------------------|-----------------------------------|------------------------------------|
| Field of View                        | 120°                              | 120°                               |
| Depth of Field                       | 3-100 mm                          | 3-100 mm                           |
| Direction of View                    | 0° Forward Viewing                | 0° Forward Viewing                 |
| Type of CCD                          | Color                             | Color                              |
| Outer Diameter of Distal End         | 4.9 mm                            | 5.3 mm                             |
| Outer Diameter of Insertion Tube     | 4.9 mm                            | 5.2 mm                             |
| Bending Section Angulation UP/DOWN   | 180° /130°                        | 180° /130°                         |
| Working Length                       | 600 mm                            | 600 mm                             |
| Inner Diameter of Instrument Channel | 2.0 mm                            | 2.0 mm                             |

**Table 16-6. Comparison of Specifications**  
**Subject Device: EVIS EXERA II Bronchovideoscope BF-1T180**  
**Predicate Device: EVIS EXERA Bronchovideoscope BF-1T160 (K023984)**

| <b>Specifications</b>                | <b>Subject Device<br/>BF-1T180</b> | <b>Predicate Device<br/>BF-1T160</b> |
|--------------------------------------|------------------------------------|--------------------------------------|
| Field of View                        | 120°                               | 120°                                 |
| Depth of Field                       | 3-100 mm                           | 3-100 mm                             |
| Direction of View                    | 0° Forward Viewing                 | 0° Forward Viewing                   |
| Type of CCD                          | Color                              | Color                                |
| Outer Diameter of Distal End         | 6.0 mm                             | 6.0 mm                               |
| Outer Diameter of Insertion Tube     | 6.0 mm                             | 6.0 mm                               |
| Bending Section Angulation UP/DOWN   | 180° /130°                         | 180° /130°                           |
| Working Length                       | 600 mm                             | 600 mm                               |
| Inner Diameter of Instrument Channel | 3.0 mm                             | 2.8 mm                               |

**Table 16-7. Comparison of Specifications**  
**Subject Device: EVIS EXERA II Bronchovideoscope BF-Q180**  
**Predicate Device: EVIS EXERA Bronchovideoscope BF-160 (K023984)**

| <b>Specifications</b>                | <b>Subject Device<br/>BF-Q180</b> | <b>Predicate Device<br/>BF-160</b> |
|--------------------------------------|-----------------------------------|------------------------------------|
| Field of View                        | 120°                              | 120°                               |
| Depth of Field                       | 3-100 mm                          | 3-100 mm                           |
| Direction of View                    | 0° Forward Viewing                | 0° Forward Viewing                 |
| Type of CCD                          | Color                             | Color                              |
| Outer Diameter of Distal End         | 5.5 mm                            | 5.3 mm                             |
| Outer Diameter of Insertion Tube     | 5.1 mm                            | 5.2 mm                             |
| Bending Section Angulation UP/DOWN   | 180° /130°                        | 180° /130°                         |
| Working Length                       | 600 mm                            | 600 mm                             |
| Inner Diameter of Instrument Channel | 2.0 mm                            | 2.0 mm                             |

**Table 16-8. Comparison of Specifications**  
**Subject Device: VISERA Rhino-Laryngo Videoscope Olympus ENF type V2**  
**Predicate Device: VISERA Rhino-Laryngo Videoscope Olympus ENF type V (K031648)**

| <b>Specifications</b>            | <b>Subject Device<br/>ENF-V2</b> | <b>Predicate Device<br/>ENF-V</b> |
|----------------------------------|----------------------------------|-----------------------------------|
| Field of View                    | 90°                              | 90°                               |
| Depth of Field                   | 5-50mm                           | 5-50mm                            |
| Direction of Forward View        | 0°                               | 0°                                |
| Type of CCD Chip                 | Color                            | Color                             |
| Outer Diameter of Distal End     | ϕ 3.2mm                          | ϕ 3.9mm                           |
| Outer Diameter of Insertion Tube | ϕ 3.4mm                          | ϕ 3.9mm                           |
| Bending Section Angulation       | Up: 130°<br>Down: 130°           | Up: 130°<br>Down: 130°            |
| Working Length                   | 300mm                            | 365mm                             |
|                                  |                                  |                                   |

To Laura: The ENF-V2 and ENF-V do not have an instrument channel, so I have deleted this column.



Table 16-9. Comparison of Specifications

Subject Device: VISERA Rhino-Laryngovideoscope Olympus XENF type VTY1

Predicate Device: VISERA Rhino-Laryngovideoscope Olympus ENF type VT (K052452)

| Specifications                       | Subject Device<br>XENF-VTY1 | Predicate Device<br>ENF-VT |
|--------------------------------------|-----------------------------|----------------------------|
| Field of View                        | 90°                         | 90°                        |
| Depth of Field                       | 5-50mm                      | 5-50mm                     |
| Direction of Forward View            | 0°                          | 0°                         |
| Type of CCD Chip                     | Color                       | Color                      |
| Outer Diameter of Distal End         | φ 4.8mm                     | φ 4.8mm                    |
| Outer Diameter of Insertion Tube     | φ 4.9mm                     | φ 4.9mm                    |
| Bending Section Angulation           | Up: 130°<br>Down: 130°      | Up: 130°<br>Down: 130°     |
| Working Length                       | 365mm                       | 365mm                      |
| Inner Diameter of Instrument Channel | φ 2.0mm                     | φ 2.0mm                    |

## 6. Conclusion

When compared to the predicate devices, the EVIS EXERA II 180 System does not incorporate any significant changes in intended use, method of operation, material, or design that could affect the safety or effectiveness of the system.



Food and Drug Administration  
9200 Corporate Boulevard  
Rockville MD 20850

**AUG 3 0 2006**

Olympus America, Inc  
c/o Laura Storms-Tyler  
Executive Director, Regulatory Affairs and Quality Assurance  
3500 Corporate Parkway  
P.O. Box 610  
Center Valley, PA 18034-0610

Re: K061313

Trade/Device Name: Olympus Evis Exera 180 System  
Regulation Number: 21 CFR 874.4680  
Regulation Name: Bronchoscope (flexible or rigid) and accessories  
Regulatory Class: Class II  
Product Code: EOQ,EOB,NWB  
Dated: August 1, 2006  
Received: August 2, 2006

Dear Ms. Storms-Tyler:

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 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); 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.

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 advice for your device on our labeling regulation (21 CFR Part 801), please contact the Office of Compliance at (240) 276-0115. 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 (240) 276-3150 or at its Internet address <http://www.fda.gov/cdrh/industry/support/index.html>.

Sincerely yours,



Malvina B. Eydelman, M.D.

Director

Division of Ophthalmic and Ear, Nose  
and Throat Devices

Office of Device Evaluation

Center for Devices and  
Radiological Health

Enclosure

## Indications for Use

510(k) Number (if known): K061313

Device Name: EVIS EXERA II 180 SYSTEM

Indications for Use:

### VISERA RHINO-LARYNGO VIDEOSCOPE OLYMPUS ENF TYPE V2

This instrument has been designed to be used with an Olympus video system center, light source, documentation equipment, display monitor, and other ancillary equipment for endoscopic diagnosis within the nasal lumens and airway anatomy (including nasopharyngeal and trachea).

### VISERA RHINO-LARYNGO VIDEOSCOPE OLYMPUS ENF TYPE VTY1

This instrument has been designed to be used with an Olympus video system center, light source, documentation equipment, display monitor, endo-therapy accessories, and other ancillary equipment for endoscopic diagnosis and treatment within the nasal lumens and airway anatomy (including nasopharyngeal and trachea).


Prescription Use    
 (Part 21 CFR 801 Subpart D)

AND/OR

Over-The-Counter Use \_\_\_\_\_   
 (21 CFR 807 Subpart C)

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Concurrence of CDRH, Office of Device Evaluation (ODE)

  
\_\_\_\_\_  
(Division Sign-Off)  
Division of Ophthalmic Ear,  
Nose and Throat Devices

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510(k) Number K061313

## Indications for Use

510(k) Number (if known):

Device Name: EVIS EXERA II 180 SYSTEM

Indications For Use:

EVIS EXERA II XENON LIGHT SOURCE OLYMPUS CLV-180

This light source has been designed to be used with Olympus endoscopes, video system center, and other ancillary equipment for endoscopic diagnosis, treatment and video observation.

EVIS EXERA II VIDEO SYSTEM CENTER OLYMPUS CV-180

This video system center has been designed to be used with Olympus camera heads, endoscopes, light source, monitors, endo-therapy accessories and other ancillary equipment for endoscopic diagnosis, treatment and video observation.

EVIS EXERA II BRONCHOVIDEOSCOPE OLYMPUS BF TYPE P180,  
BF TYPE 1T180, BF TYPE Q180

These instruments have been designed to be used with an Olympus video system center, light source, documentation equipment, video monitor, endo-therapy accessories (such as biopsy forceps) and other ancillary equipment for endoscopy and endoscopic surgery within the airways and tracheobronchial tree.

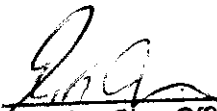
Prescription Use  AND/OR Over-The-Counter Use  
(Part 21 CFR 801 Subpart D) (21 CFR 807 Subpart C)

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NEEDED)

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Concurrence of CDRH, Office of Device Evaluation (ODE)

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\_\_\_\_\_  
(Division Sign-Off)  
Division of Ophthalmic Ear,  
Nose and Throat Devices

510(k) Number

K061313

Prescription Use   
(Per 21 CFR 801.109)