OLYMPUS CLEANER AND DISINFECTANT

GA Process Chemistry.

Olympus process chemicals for ETD machines provide comprehensive and safe reprocessing of your flexible, heat-sensitive endoscopes. With Olympus Cleaner and Olympus Disinfectant, you have chosen well-established process chemistry, fully compliant with all relevant reprocessing requirements.

**Product Description**

**Olympus Cleaner**

Thorough and gentle cleaning is a pre-requisite for comprehensive disinfection success. Being enzyme-based with neutral pH value, Olympus Cleaner assures utmost material compatibility and prevents any damage to your endoscopes.

**Olympus Disinfectant**

Efficient cleaning needs to be followed by comprehensive disinfection. Glutaraldehyde–based Olympus Disinfectant reaches optimum results at 58°C, ensuring patient and user safety as well as maximum protection for your endoscopes.

**Composition**

**Olympus Cleaner**

Non-ionic surfactants, enzymes, glycols, solubilizers, preservatives

**Olympus Disinfectant**

Active ingredient: Glutaraldehyde (20.0 g /100 g)
Other ingredients: Corrosion inhibitors, solvents

**Spectrum of Effect**

**Olympus Cleaner**

Effectively reduces organic debris and protein residues with its bioactive enzymes.

**Olympus Disinfectant**

Largely effective against all relevant pathogens in endoscopy and complies with European standards in state-of-the-art endoscope reprocessing.

EN 13727: Bactericidal activity
EN 13624: Fungicidal activity
EN 14348: Mycobactericidal activity
EN 14476: Virucidal activity

Certificates and documentation are available upon request

**Direction for Use**

Olympus cleaner and disinfectant are supplied as a concentrate. Place it into your ETD washer-disinfector according to the instruction manual. The concentrate will then be automatically dosed into the machine process by the dosage pumps.

**Dosage (ETD3/ETD4)**

**Olympus Cleaner**

Dosage: 0.6% (6 ml/l)
Contact time: 3 min
Temperature: 45°C ± 2°C

**Olympus Disinfectant**

Dosage: 1.2% (12 ml/l)
Contact time: 5 min
Temperature: 58°C ± 1°C

According to standard ETD process settings

**Presentation**

5 l canister (sales unit: 3 canisters)

**Biocompatibility**

Biocompatibility has been tested and proven according to ISO 10993. Simulated use tests demonstrated no influence on the viability of cells in cytotoxicity test from residues of the process chemicals.

**Note:** Protective equipment and clothing should always be worn when handling chemicals. Refer to the material safety data sheet.

Manufactured by: Ecolab Deutschland GmbH, Ecolab-Allee 1 · 40789 Monheim am Rhein · Germany · Tel.: +49 2173-599-0, www.ecolab.com
OLYMPUS ENDODET, ENDOACT AND ENODIS

PAA Process Chemistry.

Olympus process chemicals for ETD machines provide comprehensive and safe reprocessing of your flexible, heat-sensitive endoscopes. With EndoDet, EndoAct and EndoDis, Olympus has created an optimally adapted, peracetic acid (PAA)-based, process chemical system. Fully functional at low temperatures, it is largely effective while being fully compatible with your flexible Olympus endoscopes.

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>EndoDet</th>
<th>EndoDis</th>
<th>EndoAct</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EndoDet</strong></td>
<td>is a surfactant-based detergent, which allows for optimum cleaning efficacy at lower temperature.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>EndoDis</strong></td>
<td>is a disinfectant based on peracetic acid (PAA), providing a wide range of efficacy.</td>
<td></td>
<td></td>
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</tr>
<tr>
<td><strong>EndoAct</strong></td>
<td>allows the Olympus PAA process to work in a neutral pH value range and thus efficiently protects sensitive endoscope materials. It is an additive to EndoDis.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Composition</th>
<th>Non-ionic surfactants, glycols, solubilizers, cleaning booster</th>
<th>Active ingredient: Peroxyacetic acid</th>
<th>Other ingredients: Hydrogen peroxide, acetic acid, stabilizer</th>
<th>Phosphates, sodium hydroxide</th>
</tr>
</thead>
</table>

<table>
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<tr>
<th>Spectrum of Effect</th>
<th>EndoDet effectively reduces organic debris and protein residues with special cleaning booster.</th>
<th>EndoDis, in combination with EndoAct is largely effective against relevant pathogens in endoscopy and complies with European standards in state-of-the-art endoscope reprocessing. Efficacy (under clean conditions):</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>EN 13727:</strong></td>
<td>Bactericidal activity</td>
<td><strong>EN 13624:</strong> Fungicidal activity</td>
</tr>
<tr>
<td><strong>EN 14348:</strong></td>
<td>Mycobactericidal activity</td>
<td><strong>EN 14476:</strong> Virucidal activity</td>
</tr>
<tr>
<td><strong>EN 13704:</strong></td>
<td>Sporicidal activity</td>
<td><strong>Certificates and documentation available upon request</strong></td>
</tr>
</tbody>
</table>

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<thead>
<tr>
<th>Direction for Use</th>
<th>EndoDet, EndoDis and EndoAct are all supplied as a concentrate. Place it into your ETD washer-disinfector according to the instruction manual. The concentrate will then be automatically dosed into the machine process by the dosage pumps.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Dosage (ETD3/ETD4)</th>
<th><strong>Dosage:</strong> 0.6% (6 ml/l)</th>
<th>Contact time: 3 min</th>
<th>Temperature: 35°C</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Dosage:</strong> 1.2% (12 ml/l each)</td>
<td>Contact time: 5 min</td>
<td>Temperature: 35°C</td>
<td></td>
</tr>
</tbody>
</table>

According to standard ETD process settings

<table>
<thead>
<tr>
<th>Presentation</th>
<th>5 l canister (sales unit: 3 canisters)</th>
<th>2.8 l canister (sales unit: 3 canisters)</th>
<th>5 l canister (sales unit: 3 canisters)</th>
</tr>
</thead>
</table>

| Biocompatibility | Biocompatibility has been tested and proven according to ISO 10993. Simulated use tests demonstrated no influence on the viability of cells in cytotoxicity test from residues of the process chemicals |

**Note:** Protective equipment and clothing should always be worn when handling chemicals. Refer to the material safety data sheet.

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