

Olympus KeyMed is unable to make any recommendations in relation to the microbiological efficacy of a disinfection/sterilisation solution or process - this should be investigated and reviewed by the hospital's Infection Control Committee, or equivalent authority, in conjunction with other relevant hospital departments, including the user group, risk management team and health & safety advisor.

In this context, improvements in user safety and the reduction of patient infection risks are clearly worthwhile objectives - these cannot, however, be introduced without recognising that the decontamination process or solution manufacturer has an obvious responsibility for ensuring instruments are not damaged by the process. Any change in decontamination policy must, therefore, address the issue of compatibility with the relevant medical devices, as emphasised in MDA SN 2001(28) *"Compatibility of Medical Devices and Reprocessing Equipment with Decontamination Agents"*.

With this background, the following information is provided in relation to compatibility of various decontamination systems, solutions, the use of ultra-violet (UV) light and Reverse Osmosis (RO) water with Olympus flexible endoscopes.

Please note that this document is routinely updated.
The latest version can be downloaded from the Olympus KeyMed webpage under the 'Decontamination' section, alternatively a hard copy can be requested from our Customer Service's Department on (01702) 616333

1. ADAPTACIDE PAAC

We have recently been advised by Advanced Sterilization Products of their intention to introduce a new peracetic acid solution called Adaptacide PAAC. We understand that this product has been available in France under a different product name for more than two years with no reported compatibility issues. As with all peracetic acid products, some cosmetic effects may be noticed, such as bleaching of the colour from black adhesives and anodised surfaces.

While the solution has not been tested by Olympus in Japan and therefore does not appear on the listing of compatible agents, use of this solution will not at this time result in restrictions on service contracts, guarantees or the provision of loans.

2. ADASPOR

Adaspor and Adaspor Single-shot are peracetic acid based disinfectants manufactured and marketed in the UK by PuriCore (Sterilox Endoscopy). Field experience with this solution is very limited, but as its chemical make-up is similar to other available disinfectants, it is not expected to have anything other than cosmetic effects on Olympus flexible endoscopes.

No compatibility testing has yet been undertaken by Olympus in Tokyo, but at this time Olympus KeyMed has no plans to introduce restrictions on the provision of service contracts, instrument warranties or loan equipment for users of Adaspor.

For further information, contact:

PuriCore - Sterilox Endoscopy
Wolseley House,
Staffordshire Technology Park
Beaconside
Stafford ST18 OGA

Tel: 01785 782420
Fax: 01785 782427
Web: www.puricore.com

3. APERLAN

Aperlan is a blend of peracetic acid, hydrogen peroxide and acetic acid introduced by Lancer UK. It has not yet been tested by Olympus, so does not appear on the listing of compatible agents. However, given that its ingredients are similar to other products already in the market, use of this solution will not, at this time, result in restrictions on service contracts, guarantees or the provision of loans although, again, minor cosmetic changes are likely to result from its use.

For further information, contact:

Lancer UK Ltd
1 Pembroke Avenue
Waterbeach
Cambridge CB5 9QR

Tel: 01223 861665
Fax: 01223 861990

4. CIDEX OPA & OPA-C

Cidex OPA is an ortho-phthalaldehyde. This solution has undergone evaluation by Olympus Corporation's Research & Development group, the conclusion of which is that the solution has been added to Olympus' list of compatible disinfectant agents.

OPA-C is a concentrated form of OPA, for use in automatic washer/disinfectors that require a 'single-shot' of disinfectant. Although not tested by Olympus' R&D group, and so is not included on Olympus' list of compatible agents, its similarity in chemical content to OPA makes it unlikely that any compatibility problems exist. As such, the use of OPA-C will not lead to restrictions on the provision of loan instruments or service contracts.

In May 2004, the UK MHRA issued a Medical Device Alert relating to Cidex OPA, reference MDA/2004/022, identifying that manual reprocessing of urological instruments with Cidex OPA may have led to hypersensitivity in some patients with a history of bladder cancer undergoing repeated cystoscopy. As a result, J&J ASP has informed users of Cidex OPA that it is now contraindicated for the reprocessing of urological instruments.

For further information, contact:
Johnson & Johnson
Advanced Sterilization Products
Coronation Road
Ascot, Berks SL5 9EY

Tel: 01344 871131
Fax: 01344 872135
Web: www.cidex.com

5. ENDODIS

EndoDis is a peracetic acid based disinfectant for dedicated use in the Olympus ETD3 washer-disinfectors. EndoDis is used at 500ppm concentration at 35°C and functional compatibility with Olympus flexible endoscopes has been established by extensive materials testing. As with all peracetic acid products, however, some cosmetic effects may be noticed, such as bleaching of the colour from black adhesives and anodised surfaces.

For further information, contact:
KeyMed (Medical & Industrial Equipment) Ltd
KeyMed House
Stock Road
Southend-on-Sea
Essex SS2 5QH

Tel: 01702 616 333
Fax: 01702 465 677
Web: www.keymed.co.uk

6. GIGASEPT, GIGASEPT RAPID, GIGASEPT FF, GIGASEPT PA, GIGASEPT AUTOGEN, GIGASEPT ONCE & THERMOSEPT PAA (TPH 5358)

The original Gigasept formulation is a succine-dialdehyde/formaldehyde solution, and is on the Olympus list of compatible agents.

Gigasept Rapid is a glutaraldehyde/formaldehyde solution, whereas Gigasept FF contains no glutaraldehyde or formaldehyde, containing mainly succine-dialdehyde. Whilst neither of these has yet been fully tested by Olympus for compatibility, their similarity in chemical content to Gigasept and other aldehyde formulations makes it unlikely that any compatibility problem exists. As such, the use of these solutions will not lead to restrictions on the provision of loan instruments or service contracts.

Gigasept PA is a peracetic acid solution which has been marketed in some countries by Schülke & Mayr's sister company, Anios, as Anioxyde 1000, apparently without any compatibility problems, for a number of years. This product is not included on Olympus' list of compatible agents, but the positive limited field experience in the UK, means that there is currently no restriction on Olympus KeyMed's provision of loan instruments, unconditional warranties or service contracts for users of Gigasept PA.

Gigasept Autogen/Gigasept Once is a single-shot peracetic acid solution and which has undergone positive preliminary testing in the UK by Schülke & Mayr (2,000 representative cycles). As with all peracetic acid products, some cosmetic effects may be noticed, such as bleaching of the colour from black adhesives and anodised surfaces, however there is currently no restriction on Olympus KeyMed's provision of loan instruments, unconditional warranties or service contracts for users of these Gigasept products.

Thermosept PAA (TPH 5358) is a peracetic acid solution which has not been formally tested by the Olympus R&D group and, therefore, does not appear on the list of compatible disinfectants. In the United Kingdom this chemistry is being used in the BHT Innova CC washer disinfectant system, supplied by MMM Medical Equipment Ltd. Compatibility testing with a limited range of Olympus components has taken place within one Trust and we have observed damage to components commonly used within Olympus' small and large diameter instruments. MMM and Schulke are currently investigating in an attempt to improve the durability of this decontamination process with Olympus flexible endoscopes.

For further information, contact:
Schülke & Mayr UK Ltd
Tel: 0114 254 3500
Fax: 0114 254 3501
Web: www.uk.schulke-mayr.com

7. MEDDIS

MedDis is described by its manufacturer, MediChem, as an instrument disinfectant primarily designed for open tank use, but suitable for most designs of automatic endoscope reprocessor and other medical apparatus, including ultrasonics. MedDis is a non-oxidising agent based on derivatives of several active ingredients, combining dodecylamine, sulphamic acid and decyl-n-decyl dimethyl ammonium compounds. It has not yet been tested by Olympus, so does not appear on their list of compatible agents.

Olympus KeyMed currently has only limited experience of the use of MedDis on Olympus flexible endoscopes, but on the basis of a review of its active ingredients and the results of limited testing on endoscope components by the manufacturer, use of this solution will not, at this time, result in restrictions on service contracts, guarantees or the provision of loans.

For further information, contact MediChem International Ltd, as in section 14.

8. NEODISHER SEPTO DN & SEPTO PAC

Septo DN is a glyoxal/glutaraldehyde combination, used at approximately 50°C, marketed in the UK by Dawmed International. The 'in-use' recommended glutaraldehyde concentration is 0.05%. It has not yet been tested by Olympus in Tokyo so does not appear on the listing of compatible agents.

Septo PAC is a peracetic acid/acetic acid/hydrogen peroxide product, intended for use at room temperature. It has not yet been tested by Olympus in Tokyo so does not appear on the listing of compatible agents. As with all peracetic acid products, however, some cosmetic effects may be noticed, such as bleaching of the colour from black adhesives and anodised surfaces.

Both Septo solutions been used, apparently without problem, in other European countries for several years, so use of this solution will not, at this time, result in restrictions on service contracts, guarantees or the provision of loans.

For further information, contact:

Dawmed International Ltd
Eden Close
Hellaby, Rotherham
South Yorkshire S66 8RW

Tel: 01709 730730

Fax: 01709 730000

Web: www.dawmed.com

9. NEWGENN INSTRUMENT DISINFECTANT

NewGenn has been available for some time as Saifer, but has now been rebranded as NewGenn Instrument Disinfectant, manufactured by NewGenn Research Ltd.

NewGenn is a combination of 6% Sactimed-I-Sinald, a quaternary ammonia compound (QAC), and 0.5% ortho-phthalaldehyde (OPA). Although never tested by Olympus Tokyo's Research & Development group, no adverse effects have been observed by Olympus KeyMed on Olympus instruments from the few UK user sites.

As the ingredients of this product do not appear to cause any problems with instrument durability, Olympus KeyMed has no plans at this time to introduce restrictions on the provision of service contracts, instrument warranties or loan equipment for users of NewGenn.

For further information, contact:
NewGenn Research Ltd
Unit 4 Hereward Way Business Park
Harling Road
Roudham
Norwich
Norfolk NR16 2SR

Tel: 01953 717757
Fax: 01953 717758
Web: www.newgenn.com

10. NU-CIDEX

Olympus' Research and Development group has completed detailed compatibility testing of Nu-Cidex, a peracetic acid solution, and while some cosmetic effects to both electro-plated components (discolouration and peeling) and the bending section rubber may be noted, no functional degradation of the flexible endoscopes was seen. Nu-Cidex is, therefore, listed as being compatible with Olympus flexible endoscopes.

For further information, contact:-
Advanced Sterilization Products (J&J)
Coronation Road
Ascot, Berks SL5 9EY

Tel: 01344 871131
Fax: 01344 872135

11. SEKUSEPT EASY & SEKUSEPT ACTIV

Sekusept Easy is a peracetic acid disinfectant solution successfully tested by Olympus as being compatible with Olympus flexible endoscopes. There are therefore no restrictions on service contracts, guarantees or the provision of loan instruments for users of this solution. As with all peracetic acid products, however, some cosmetic effects may be noticed, such as bleaching of the colour from black adhesives and anodised surfaces.

Sekusept Activ is a peracetic acid powder-based cleaner/disinfectant solution that has been tested by Olympus to determine its compatibility with Olympus flexible endoscopes. The conclusions of these tests are that the product is compatible with large diameter (GI) instruments, but that an increase in the rate of normal ageing is likely to occur when used on small diameter instruments, which may show 'wrinkling' of the insertion tube after extensive repeated immersion. As with all peracetic acid products, some cosmetic effects may be noticed, such as bleaching of the colour from black adhesives and anodised surfaces. Use of this solution will not, at this time, result in restrictions on service contracts, guarantees or the provision of loan instruments.

For further information, contact:

Ecolab
David Murray John Building
Swindon
Wiltshire
SN1 1NH

Tel: 01793 511221
Fax: 01793 618552
Web: www.ecolab.com

12. STERILOX

The Sterilox process was introduced into the UK market in 1998 and at that time, it was clear from instruments being returned to Olympus KeyMed that this particular disinfectant was causing damage to patient insertion tubes and umbilical cords as a result of being reprocessed in this particular solution. The damaged components would become 'sticky' and difficult to use, followed by pitting of the outer coating and underlying thermoplastic material.

Sterilox endoscopy now offers users of Olympus flexible endoscopes a protective wipe, known as 'E-wipe' which acts as a barrier between their solution and the scope's patient insertion and umbilical tubes.

Although these wipes are 'CE marked' by Puricore for their intended use, after testing, Olympus has concluded that Olympus flexible endoscopes coated with the 'E-wipe' material no longer meets Olympus' quality standard. However, it has not been determined by Olympus that there are any known increased patient safety risks associated with the mechanical aspects of using this coating. It must be noted that Olympus' assessment did not include toxicological, biocompatibility or microbiological aspects of their use – Puricore has however advised that for the submission of the CE marking, they have performed the appropriate tests in accordance with the Medical Device Directive to satisfy the regulatory notified bodies – specific details can be obtained from Sterilox endoscopy. On the basis that it may be beneficial in extending the time period between component replacements as a result of chemical attack, Olympus KeyMed has no objection to the use of the 'E wipes'.

In the light of Olympus' conclusions, subject to users' agreement to conduct appropriate inspections in accordance with a protocol provided by Olympus KeyMed, Sterilox users can benefit from service contracts, fully unconditional guarantees and loan instruments (although Olympus KeyMed asks that the E-wipe should not be used on Olympus KeyMed loan scopes).

Puricore Sterilox endoscopy has also introduced the Sterilox Rinse Water (SRW) system to generate bacteria-free rinse water. Olympus has examined one endoscope insertion tube following 600 immersions in SRW by Puricore, and has confirmed that no detrimental effects were apparent. On the basis of this assessment, and with no reports to date from users of adverse chemical reactions, SRW users are not being asked to sign the 'Daily Inspection Protocol'.

For further information, contact:
PuriCore/Sterilox Endoscopy
Wolseley House,
Staffordshire Technology Park
Beaconside
Stafford ST18 OGA

Tel: 01785 782420 Fax: 01785 782427

Web: www.puricore.com

13. STERRAD

Olympus in Japan has tested the various Sterrad processes in cooperation with Advance Sterilisation Products (ASP) for compatibility and confirmed that large diameter flexible endoscopes (model types - GIF, CF, PCF, TJF, SIF, JF and EUS) are not compatible with **any** Sterrad System.

STERRAD 200 & 100NX Systems

Olympus does not assure the compatibility between any Olympus flexible endoscope when reprocessed in either the Sterrad 200 or 100NX systems.

STERRAD 50 & 100S Systems

The testing undertaken by Olympus in Japan identified that some of the smaller diameter Olympus endoscopes have varying degrees of compatibility. Table 1 below identifies the endoscope models where Olympus has identified some compatibility exists with the Sterrad 50 & 100S systems. If an endoscope is **not** identified below, then please consider it to be **not** compatible.

Users must be aware that for the instruments detailed in Table 1, the surface of the adhesive on the bending section rubber and around the distal lenses became rough after less than 100 cycles, but functional performance was still within the product specification after 100 cycles. Discolouration of anodised aluminium alloy components was observed on some instrument models after less than 50 cycles. After 100 cycles, a new insertion tube may be required because of the damage to the adhesive. The user **must** check the endoscope before each use.

If users accept the above comments, these endoscopes may be reprocessed in the STERRAD 50 & 100S Sterilization System.

Table 1

BF-60 Series	CHF-V	CYF-VA	HYF-V	LTF-V3
BF-160 Series	CYF-240	CYF-VA2	LF-DP	LTF-VH
BF-180 Series	CYF-240A	ENF-GP	LF-GP	LTF-VP
BF-260 Series	CYF-4	ENF-V	LF-TP	URF-P3
BF-PE2	CYF-4A	ENF-V2	LF-V	URF-P5
BF-TE2	CYF-5	ENF-VQ	LTF-160	URF-V
CHF-CB30L	CYF-5A	ENF-VT	LTF-240	VEF-2
CHF-CB30S	CYF-V	ENF-VT2	LTF-260	VEF-3
CHF-P60	CYF-V2	HYF-XP	LTF-V2	VEF-V

STERRAD NX System Compatibility

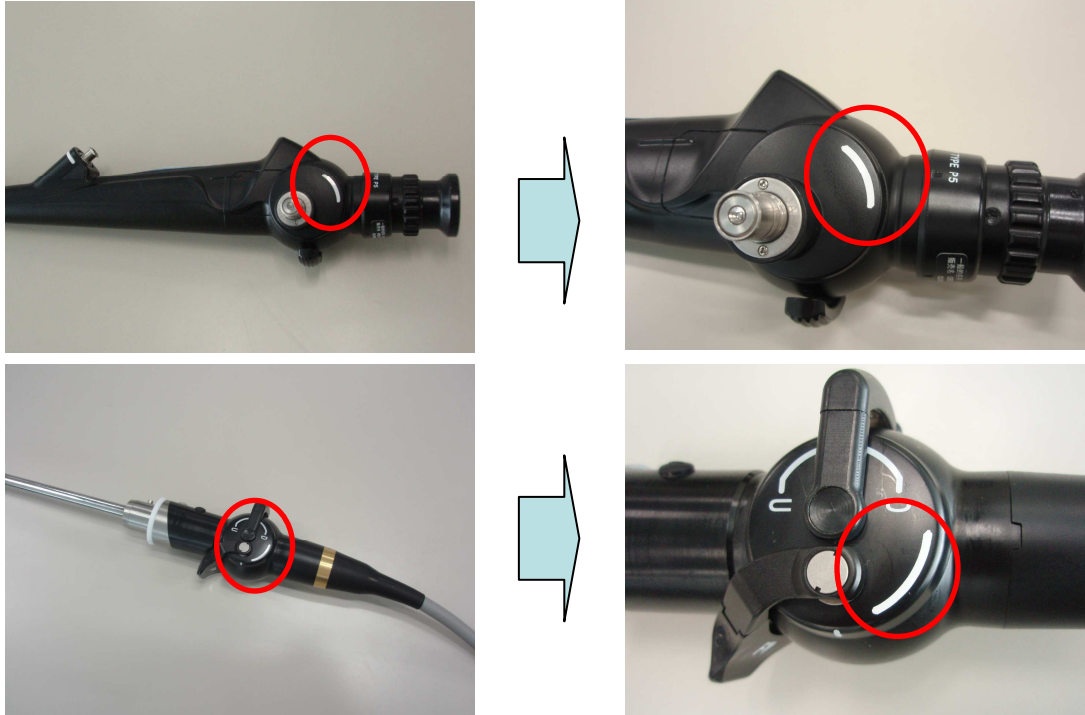
Olympus has introduced an updated version of existing endoscope models which are durable against the Sterrad NX process – please refer to Table 2 below for the instrument models.

This new generation of Olympus instruments can be identified either from a white bar on the control unit, as shown in the pictures below, or from the third number within the serial number which will be a “4”. (e.g. 2940099).

Table 2

BF-260	BF-1T60	BF-P150	CYF-V2	LTF-VH
BF-F260	BF-P60	BF-1T150	CYF-VA2	LTF-260
BF-XP160F	BF-MP60	BF-1TQ180	ENF-V 2	LTF-VP-S
BF-MP160F	BF-XP60	CHF-P60	ENF-VT2	URF-P5
BF-6C260	BF-Q180	CHF-V	ENF-VQ	URF-V
BF-P260F	BF-1T180	CYF-5	LTF-V3	MAF-TM
BF-XP260F	BF-P180	CYF-5A	LTF-VP	MAF-GM
BF-1T260				

COMPATIBILITY STATEMENT OLYMPUS FLEXIBLE ENDOSCOPES



If an endoscope is **not** identified in Table 2 or does not have the above specified white mark, then it must be considered as **not** compatible with the NX System.

Users must be aware that whilst these instruments have improved durability, in some cases the surface of the adhesive on the bending section rubber and around the distal lenses became rough after less than 100 cycles during testing, however, functional performance was still within product specification after the 100 cycles.

IMPORTANT

Endoscopes reprocessed in a Sterrad System **must** have the Olympus ETO Cap (MB-156) attached, to enable the internal and external pressures to equalise during the cycle. Failure to attach and open the valve can rupture the Bending Section Rubber on the endoscope, necessitating a repair.

For further information, contact:-
Advanced Sterilization Products (J&J)
Coronation Road
Ascot, Berks SL5 9EY

Tel: 01344 871131
Fax: 01344 872135

14. PERASCOPE

PeraScope, a peracetic acid solution, has been tested by Olympus Corporation and has been added to Olympus' list of compatible agents. It should be noted, however, that minor cosmetic effects may be seen on some endoscopes, similar to other peracetic acids.

Three versions of the product are available: PeraScope '3 Day', 'Multi Shot' and 'One Shot'. On the basis that these are derivatives of the original PeraScope formulation, they are not expected to have any differing effects on Olympus flexible endoscopes. With this background, the use of these solutions will not, at this time, result in restrictions on service contracts, guarantees or the provision of loan instruments.

For further information, contact:
MediChem International Ltd
PO Box 237
Sevenoaks
Kent, TN15 0ZJ

Tel: 01732 763555
Fax: 01732 763530

15. RELY-ON PERASAFE

Olympus Corporation has tested Rely-on Perasafe, a peracetic acid solution, to establish compatibility. The use of this solution is likely to result in minor cosmetic changes to large diameter (GI) instruments, but functional damage may occur with small diameter endoscopes (BF, LF, CYF, etc). Use of this solution will not however, at this time, result in restrictions on service contracts, guarantees or the provision of loans.

For further information, contact:
Universal Hospital Supplies Ltd
Delta Park Industrial Estate
Unit 6 George House
Millmarsh Lane, Enfield EN3 7QJ

Tel: 0845 082 0182
Fax: 0845 082 0180

16. RO (REVERSE OSMOSIS) WATER

Limited testing has indicated that RO water has no detrimental effect on Olympus flexible instruments, although field experience may provide further detailed information on any long-term effects.

17. STERIS

The Steris system 1, which also utilises peracetic acid, has undergone extensive compatibility trials by the design authority for Olympus instruments, Olympus in Tokyo.

Whilst the Steris system has never been listed by Olympus as a compatible product for use with Olympus flexible instruments, the majority of Steris users encounter few or no problems in relation to compatibility. Some instruments, however, do experience durability problems when reprocessed with the Steris system, including blistering or delamination of the patient insertion or light guide tube. The incidence of this effect is unpredictable and appears to affect only a small minority of users and instruments. Minor cosmetic changes will, however, occur, including the removal of anodising from aluminium surfaces and the bleaching of adhesives.

It should be noted, however, that Olympus ultrasound endoscopes do not fit properly into the Steris flexible endoscope tray and when the lid is closed, twisting of the control section takes place, which may reduce the effectiveness of some of the watertight seals in this area, leading to fluid leakage into the inside of the scope. Olympus KeyMed, therefore, does not recommend the reprocessing of Olympus ultrasound endoscopes in the Steris system. At this time Olympus KeyMed has no plans to introduce restrictions on the provision of service contracts, instrument warranties or loan equipment for users of the Steris system.

For further information, contact:

Steris Ltd
Jays Close, Viables
Basingstoke
Hampshire RG22 4AX
Tel: 01256 840400
Fax: 01256 866502

18. TRISTEL

Tristel is a chlorine dioxide solution which has been available to the UK market in a number of differing strengths since 1995, but without verification of its compatibility with Olympus flexible endoscopes by the design authority, Olympus in Tokyo. None of the Tristel formulations are currently listed by Olympus as being compatible with their flexible endoscopes.

The Tristel Company now supplies three versions of the product, Tristel Multi-Shot, Tristel 1 Day and Tristel One-Shot. Compatibility with Olympus flexible endoscopes has not been verified, as blistering of the outer coating on patient insertion and light guide tubes is routinely seen after repeated immersion.

Tristel has introduced a 'conditioning wipe' for routine application to the insertion tubes of Olympus flexible scopes, to provide some protection against the effects of repeated immersion in the disinfectant. Whilst this has not been tested by Olympus, the wipe is 'CE marked' by Tristel for its intended use, but scopes coated with the wipe will probably no longer meet Olympus' quality standard, and therefore the process must remain an unauthorised modification. However, on the basis that it may be beneficial in extending the time period between insertion tube replacements as a result of chemical attack, Olympus KeyMed has at this time no objection to its use. Any questions relating to the toxicological, biocompatibility or microbiological aspects of its use should be addressed directly to Tristel.

Tristel has also introduced a 'sterile wipe' for use with non-lumened instruments – this has not been tested for compatibility by Olympus, but field experience in the UK has not indicated that any compatibility problems exist with this product.

Although not, therefore, included on the list of compatible products, Olympus KeyMed has not introduced restrictions on the provision of service contracts, guarantees or loan equipment to Tristel (although Olympus KeyMed asks that the Tristel conditioning wipe should not be used on Olympus KeyMed loan scopes) for users of the above Tristel products, subject to users' agreement to conduct a daily inspection in accordance with a protocol provided by Olympus KeyMed.

For further information, contact:
The Tristel Company Ltd
Lynx Business Park
Fordham Road
Snailwell
Cambridgeshire CB8 7NY

Tel: 01638 721500
Fax: 01638 721911
Web: www.tristel.com

19. TOTACIDE 28

Alkaline glutaraldehyde solutions have been in widespread use for many years and were considered the 'benchmark' against which other chemical disinfectants for flexible endoscopes were judged. These solutions are compatible with Olympus flexible endoscopes and associated instrumentation, but because of user health and safety concerns, glutaraldehyde use for endoscope disinfection in the UK has steadily reduced over the last ten years, and only Totacide 28 is now available:

For further information, contact:
B M Browne (UK) Limited
Pincents Kiln Industrial Park
Calcot, Reading RG31 7SB

Tel: 0118 930 5333
Fax: 0118 930 5111
Freephone: 0800 212827
Web: www.bmbrowne.co.uk/

20. ULTRA-VIOLET (UV) LIGHT

Some 'endoscope drying cabinets' use ultra-violet (UV) light as a drying aid during storage. Olympus in Japan has, however, determined that prolonged exposure to UV causes significant deterioration in the outer coating of all Olympus flexible endoscopes, and on this basis has stated that the use of UV light is incompatible.

In the UK, cabinets employing this technology have been used for over four years, and many hospitals are now experiencing significant cracking and peeling of the insertion tube and light guide tube outer coating, for which no other attributable cause has been identified. Olympus KeyMed therefore strongly recommends that such cabinets should only be used if the UV illumination has been deactivated. One cabinet manufacturer has introduced a second generation unit with no direct UV illumination of the endoscopes, restricting the use of UV to the filtered air circulation system. This manufacturer has validated that removal of the direct UV illumination has not affected the 72 hour bacteriastatic claim made for their cabinet. Users are therefore recommended to contact their cabinet supplier for further advice on cabinet modification or deactivation of direct scope UV illumination.

The MHRA have issued a Medical Device Alert on this subject recommending appropriate action. At this time, Olympus KeyMed has not placed restrictions on service contracts, guarantees or the provision of loan instruments in the UK, but this may change in the future.

<u>DISINFECTANT COMPATIBILITY WITH OLYMPUS FLEXIBLE ENDOSCOPES - SUMMARY</u>			
Solution/Process	Listed by Olympus as compatible but some cosmetic changes may be observed	Not listed as compatible, but no restrictions on Olympus KeyMed loans, unconditional guarantee or service contract cover	Known to cause functional damage, but currently no restrictions on Olympus KeyMed loans, unconditional guarantee or service contract cover
Adaptacide PAAC		<input type="checkbox"/>	
Aperlan		<input type="checkbox"/>	
Adaspor		<input type="checkbox"/>	
Cidex OPA	<input type="checkbox"/>		
Cidex OPA-C		<input type="checkbox"/>	
EndoDis	<input type="checkbox"/>		
Gigasept	<input type="checkbox"/>		
Gigasept FF/PA/Rapid		<input type="checkbox"/>	
Thermosept PAA	See detailed listing in Section 6		
MedDis		<input type="checkbox"/>	
NewGenn		<input type="checkbox"/>	
Nu-Cidex	<input type="checkbox"/>		
Perascope	<input type="checkbox"/>		
Rely-on Perasafe		<input type="checkbox"/> (large diameters)	<input type="checkbox"/> (small diameters)
Sekusept Activ	<input type="checkbox"/>		
Sekusept Easy	<input type="checkbox"/>		
Septo DN		<input type="checkbox"/>	
Septo PAC		<input type="checkbox"/>	
Sterilox			<input type="checkbox"/>
Steris		<input type="checkbox"/>	
Sterrad	See detailed listing in Section 13		
Tristel			<input type="checkbox"/>
Totacide	<input type="checkbox"/>		
UV Illumination			<input type="checkbox"/>