

## Material compatibility test with disinfectant "Sekusept aktiv"

We, Fujinon Corporation, hereby confirm about material compatibility between Fujinon endoscope and disinfectant "Sekusept aktiv" from Ecolab GmbH & Co OHG as follows.

Application Fujinon endoscopes:

Models in attached list which are manufactured as of 31 March 2005. In case of new material used for Fujinon endoscope, it is necessary to confirm the compatibility additionally.

Name of Disinfectant : Sekusept aktiv Ecolab GmbH & Co OHG(Germany)

Used solution: Hight level disinfectant.

Sodium perborate monohydrate 30~50%

Citric Acid 15~25%

Fatty alcohol ethoxylate <5%

The density of the disinfection liquid is diluted to 2%.

Disinfection's condition: 15min/1cycle

Temperature of examined liquid: Room temperature

Tested sample: Material test samples for FUJINON endoscopes

Test condition: The test samples were soaked in the disinfection liquid continuously 1500 cycles by Ecolab GmbH & Co OHG 1500 cycles are nearly for 1 year use.

Result: It is found corrosion on Aluminum parts and slight deterioration on adhesion and coating of flexible section.

**【The conclusion】:** Serious damages were not found about influencing the function by this material compatibility test. But regular check of the scope is required since it has been confirmed corrosion and slight deterioration as above mentioned. This result is only valid on simple test between Fujinon endoscopes and Sekusept aktiv. The combination use with another liquid, and switch-over disinfectant (for example from Gultaraldehyde into Peracetic acid), etc. are not applicable. In case combination use, it is recommended to ask the manufacture for material compatibility.

Confirmed by Q.A./Q.C.: M. Naganuma

Date: 25. April 2005

Engineering section: J. Watanabe

Date: 25. April, 2005

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Date: 24. Aug 2005

Engineering section: B. Müller

Date: 24. May 2005

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**Fujinon Video Endoscopic Systems**
**< 400 Series >**

EG-410CT
EG-410CT*
EG-450CT5
EG-450D
EG-450D5
EG-450HR
EG-450PE
EG-450PE5
EG-450WR5
EG-450ZW5
EG-470N
EG-470N5
EG-490WR5
EG-490ZW5
ED-450XL
ED-450XL5
ED-450XL8
ED-450XT
ED-450XT5
ED-450XT8
EC-410CM
EC-410HI
EC-410HM
EC-410WI
EC-450DL5
EC-450DM5
EC-450HL5
EC-450LP
EC-450LP5
EC-450MP5
EC-450MP5-H
EC-450WI
EC-450WI5
EC-450WI5-H
EC-450WL
EC-450WL5
EC-450WL5-H
EC-450WM
EC-450WM5
EC-450WM5-H
EC-450ZH
EC-450ZW5/L
EC-450ZW5/M
EC-490ZW5/L
EC-490ZW5/M
ES-450WE5
EB-450S
EB-450T
EB-470P
EB-470S
EB-470T
EN-450P5/20
EN-450T5
EY-470S

**< 200 Series >**

EG-250PE5
EG-200CT*
EG-201FP
EG-250CT5
EG-250D5
EG-250HR
EG-250HR2
EG-250PE
EG-250WR5
EG-270N
EG-270N5
ED-200XU
ED-250XL
ED-250XL5
ED-250XL8
ED-250XT
ED-250XT5
ED-250XT8
EC-250MP5
EC-200LT
EC-200LT Ver5.9
EC-200MT
EC-200MT Ver5.9
EC-201WI
EC-201WL
EC-201WM
EC-250DL5
EC-250DM5
EC-250HL5
EC-250LP5
EC-250WI
EC-250WI5
EC-250WI5-H
EC-250WL
EC-250WL5
EC-250WL5-H
EC-250WM
EC-250WM5
EC-250WM5-H
ES-250WE5
EB-250S
EB-250T
EB-270P
EB-270S
EB-270T
EN-200WM TYPE23*
ER-270FP
ER-270T

**Fujinon Fiberscopes**
**< Z Series >**

FG-1Z
FG-1ZP
FD-1Z
FC-1Z

**< 100 Series >**

FG-100PE
FG-100CT

**< Other Series >**

CHO-SP
FB-120T
FB-120S
FB-120P
FR-120F
FL-100

**Fujinon EUS Systems**
**< FNA Scope >**

EG-250US TYPE 708FA
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