

INSTRUMENTS / MANUAL REPROCESSING

PERFEKTAN®
DUO EFFECT



CLEANING AGENT FOR MANUAL HF INSTRUMENT PROCESSING

1 / 3

Reduced burden for staff and materials
Unique, innovative cleaning of HF instruments
Active cleaning without any mechanical stresses



INSTRUMENTS / MANUAL REPROCESSING

PERFEKTAN® DUO EFFECT



PRODUCT DESCRIPTION

2 / 3

PERFEKTAN DUO EFFECT is a patented highly active two-Component cleaning agent for the self-acting cleaning of instruments used for high frequency surgery. This unique product concept from **PERFEKTAN DUO EFFECT** consists of one very alkaline and one oxidative component, which create an effective cleaning solution when combined. The activated cleaning solution removes even stubborn burned on organic encrustation on HF instruments. The product was developed specifically

for gentle processing of instruments for electrosurgery and high-frequency surgery, such as MIC instruments, cautery instruments and bipolar forceps. No need for time-intensive and laborious mechanical cleaning. There is no wear-and-tear on the instrument surface from abrasive cleaning methods.

APPLICATIONS AND NOTES

Range of application

Cleaning of instruments used for HF surgery.

Dosage

Application time based on degree of soiling: 15 mins to 60 mins.

Application time of 60 mins. must not be exceeded.

Application

1. Put on PPE. Put a stable, chemical-resistant vessel (e.g. beaker) with a min. volume of 400 mL in a sink.
2. Put oxidative component (White Bottle, No. 1) into the vessel. Empty the bottle completely.
3. Put the instruments to be cleaned into the solution.
4. Add the alkaline component (Green Bottle, No. 2) to the oxidative solution. Empty the bottle completely. The parts of the instruments to be cleaned should now be completely covered.
5. The self-acting cleaning starts when the alkaline component is added. The prepared cleaning solution may be used for a MAXIMUM of 60 mins., but for AT LEAST 15 mins. The cleaning performance decreases with repeated use, especially when there is a high level of soiling. When used for more than 60 mins. there is a greater risk that the metal surface of the HF instruments will become discolored.
- 6 A. Put on PPE. If re-using the solution – within 60 mins. of it being prepared – remove the instruments with forceps and put them in a strainer.
- 6 B (preferred version). Put on PPE. Pour out the cleaning solution with the instruments into a strainer over a sink.
7. Rinse the instruments under running water for at least 20 seconds.
8. Have the pre-cleaned instruments undergo a validated cleaning and disinfection process.

Note: Discard the used solution after use or after the standing time has elapsed down the drain. Wash down with plenty of water.

According to the EU Medical Device Regulation, users/patients are obligated to report any serious incident that has occurred in relation to the device to the ma-

nufacturer and the competent authority of the EU Member State in which the user/patient is established.

Application notes

Do not dilute or mix the single components or the working solution with other products. Due to uncoagulated blood significant foaming might occur - attention has to be paid to a sufficient size and positioning of the container inside a sink. The working solution initially warms to approx. 35-40 °C after the two components are combined. If there are already damaged areas on the metal surface from mechanical cleaning performed earlier, it cannot be ruled out that the use of PERFEKTAN DUO EFFECT could cause further damage.

Composition

Oxidative component: 15 - 30 % hydrogen peroxide.

Alkaline component: 15 - 30 % alkalis, 5 - 15 % chelating agents.

Material compatibility

The use of PERFEKTAN DUO EFFECT is not recommended for the following materials: stainless steel V2A, aluminum, copper, brass, polyethylene terephthalate (PET), polycarbonate (PC). The metal surfaces of the instruments can become discolored in spots when using PERFEKTAN DUO EFFECT. This change in appearance does not affect the instruments functioning.

The following materials and instruments are incompatible with processing with PERFEKTAN DUO EFFECT:

- tungsten alloys
- titanium alloys
- EndoWrist® DaVinci® instruments
- silver-plated HF-instruments

INSTRUMENTS / MANUAL REPROCESSING

PERFEKTAN® DUO EFFECT



APPLICATIONS AND NOTES

3 / 3

Precautionary and hazard statements

Oxidative component: Causes serious eye damage. Wear protective gloves/protective clothing/eye protection/face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Dispose of contents/container to approved disposal company or local collection.

Alkaline component: May be corrosive to metals. Harmful if swallowed. Causes severe skin burns and eye damage. Wear protective gloves/protective clothing/eye protection/face protection. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF IN EYES: Rinse cautiously with water for several

minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor. Absorb spillage to prevent material damage. Store in a corrosion-resistant container with a resistant inner liner. Dispose of contents/container to approved disposal company or local collection.

For professional use only by personnel with corresponding specialist knowledge according to national directives.

Read label before use.

PURCHASING INFORMATION

Product	Single unit	Unit	Content	REF
PERFEKTAN DUO EFFECT	bottle set	1 box of 4 sets	set: 2 x 100 ml	00-156-001

National information may differ. For further information, please contact our subsidiary or your local dealer.
The availability of the products and container sizes depend on a completed national registration.

Oxidative component:



Alkaline component:



CERTIFICATIONS



For an overview of our current certifications, scan the QR code to visit:
<https://www.schumacher-online.com/en/cert>

Dr. Schumacher is certified according to DIN EN 13485, DIN EN ISO 9001, DIN EN ISO 14001, BS OHSAS 18001, has a validated environment management system according to EMAS and is a member of IHO, VCI, BAH, DGSV and of the DGKH.