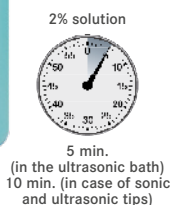




Concentrate | DC1



- **Certified by the German Association for Applied Hygiene (VAH) and the German Association for Hygiene and Microbiology (DGHM)** (high protein contamination incl. TBC and MRSA)
- **aldehyde-free**
- **alcohol-free**
- **alkaline**

Aggressive cleaning and disinfecting agents often attack dental instruments, especially in cases where the immersion time is exceeded. This is now a thing of the past, for Komet has developed a complete solution – Komet DC1, a biocompatible and economical cleaning and disinfecting agent equally suited for both burs and hand instruments, thus eliminating the need to prepare two different solutions.

Highly effective universal concentrate for manual cleaning and disinfection of all rotary and hand instruments.

The advantages of DC1 at a glance:

Quick disinfecting

The antiviral (HBV, HIV and HCV), bactericidal (including tuberculosis and MRSA) and fungicidal effect of a 1% DC1 solution is already given after just one hour. The same result can be achieved in just 5 minutes if the instruments are disinfected in an ultrasonic bath using a 2% DC1 solution. Please note that due to their internal bore, the chemical disinfection of sonic and ultrasonic tips (with internal irrigation) in the ultrasonic bath is always carried out in a 2% solution and takes 10 minutes. Even if the normal immersion time is exceeded by several days, DC1 will still not evoke any material degradation.

Superior economy

With just 1 litre DC1, you will obtain 100 litres of ready-to-use solution (1%), which makes DC1 the optimal choice also from the economical point of view. That's not all – the compact container requires little storage space and is easy to handle, thanks to its dosing device. Comprehensive tests with the entire range of instruments used in the dental surgery have proved DC1's excellent cleaning efficiency. What's more, independent surveys have confirmed not only the outstanding cleaning properties of DC1 but also its anti-corrosive action.

Ecologically friendly

Komet DC1 contains neither phenol nor aldehyde and is biodegradable, in compliance with OECD guidelines.

Universal concentrate

Komet DC1 is suited for tungsten carbide burs and finishing instruments, crown cutters, ceramic instruments, diamond abrasives, sonic and ultrasonic tips, root canal instruments, surgical instruments, rubber polishers, abrasives for ceramics and hand instruments (e. g. forceps, probes, mouth mirrors, curettes).



Range of effectiveness and concentration

DC1 is bactericidal (including tuberculosis and MRSA), fungicidal and antiviral (HBV, HIV, HCV and vaccinia virus). It does not cause corrosion.

Burs and instruments bath:

with 1% solution → 60 minutes
 with 2% solution → 30 minutes
 with 3% solution → 15 minutes

Ultrasound:

with 2% solution → 5 minutes
 with 2% solution → 10 minutes in case of sonic and ultrasonic tips

DC1 dilution table:

Working solution	1%	2%	3%
1 litre	10 ml	20 ml	30 ml
2 litre	20 ml	40 ml	60 ml
3 litre	30 ml	60 ml	90 ml
4 litre	40 ml	80 ml	120 ml
5 litre	50 ml	100 ml	150 ml

Microbiological effectiveness

- **Hyggen GmbH, Schwerin 2011:**
Bactericidal/fungicidal/anti-tuberculosis effect according to the VAH (incl. EN 14561, 14562 and 14563)
- **Dr. med. habil. Georg Schrader, Weimar, 2011:**
Disinfection of instruments in compliance with the VAH
- **Hyggen GmbH, Schwerin 2011:**
Limited virucidal properties (BVDV/Vaccinia virus)
- **Hyggen GmbH, Schwerin 2011:**
Expert opinion on the standing time
- **Hyggen GmbH, Schwerin 2011:**
Expert opinion on ultrasonic baths



9826
(4 x 11 in convenient dosing bottles)



9829
(Twin pack 2 x 3l)



9834A
Tap for Komet storage canister (3l, 5l and 10l)



9888
DC1 measuring jug

Instructions for use:

Immerse instruments in the DC1 solution in use immediately after use (pre-treatment). Having completed the cleaning and disinfecting process (in the ultrasonic bath, if required), rinse instruments with running water and dry via air jet or with an absorbent tissue. In case of stubborn soiling brush as required and repeat disinfecting process, then sterilize. Product is suitable for temperatures of up to 60°C; however in case of blood stained instruments do not exceed 45°C (protein coagulation!).

Attention:

DC1 is not suitable for natural bristle brushes. Always immerse aluminium instruments separately (electrolysis!).

Recommendation prior to initial use:

Clean all dishes and instrument trays previously used with other cleaning and disinfecting agents with warm water and ordinary washing-up liquid (mixed with a little citric acid) prior to first use of DC1, otherwise yellowy-orange staining might appear on the containers.

Storage life:

Concentrate: 36 months
 Ready-to-use solution (unused): 4 weeks
 Solution in use: 1 week
 (in the case of visible contamination, renew immediately)
 pH-value (undiluted): app. 10 (20°C)