

# Suction unit disinfection and cleaning with Dürr Dental

No more microbial contamination, clogging or encrustation



COMPRESSED AIR  
SUCTION  
IMAGING  
DENTAL CARE  
HYGIENE

# Dürr System Hygiene: the comfort of knowing all is in harmony

## 4 colours, 4 areas – simply logical, simply safe

Nothing should be left to chance when it comes to infection control, disinfection and cleaning. This is why Dürr System Hygiene focuses on simple handling and safe and logical application. Dürr Dental introduced the logical colour system – pink for skin and hands, yellow for special areas, blue for instruments and green for surfaces – into hygiene.



With more than 30 products offered by Dürr System Hygiene, you can increase the safety and success in daily hygiene tasks in your practice

### Safe

- A comprehensive range of effectiveness: bactericide, fungicide, tuberculocide, virucide
- Tested and reliable effect
- Included without exception on VAH and DGHM lists of disinfectants, as well as EN compliant
- Powerful disinfection and cleaning

### Convenient

- Easy and efficient handling
- Convenient and uniform container size
- Cleaning according to plan
- Cap dosing system
- Highly economical application

### Gentle

- Superior combinations of active ingredients: without aldehydes, halogens or phenols
- Especially gentle conditioning for the skin
- Non-aggressive and recommended by leading device manufacturers
- Clinically tested

### Fast

- Short reaction times
- Quick and residue-free drying
- Practical application
- Easy dosing

# Our specialists for the disinfection and cleaning of suction units

## Easy to handle – highly effective

Dürr Dental invented Orotol® – the first suction unit disinfectant – more than 40 years ago. Orotol® plus is now the most commonly used disinfectant. The reasons are clear – it is easy to use, has a wide range of effectiveness, and is highly material-compatible. The success of Orotol® plus is based on many years of experience with Dürr Dental suction units. Dürr Dental is one of the pioneers of continuous suction and the company's innovations enabled the treatment of patients whilst lying down – something that we take for granted today.

Rely on the expertise and strength of the market leader in practice hygiene.

## The myth of resistance development

The development of resistance to disinfection is, in principle, not possible. Germs can only continue to spread when an underdose of disinfectant fails to kill them. When the dose is properly administered, germs will not survive. It is thus unnecessary to change products, even after several years.

### This is what counts:

- Very high material compatibility
- Quick and comprehensive effect
- Manufacturer's expertise in devices and hygiene
- Perfect symbiosis of technology and chemistry
- The original – experience that goes back to 1966



# A strong team for your suction unit



## Comprehensive care and a high degree of safety

Daily suction unit disinfection is standard procedure in any surgery. Yet the performance of about half of all systems is hampered by deposits and blockages. This is because most suction units undergo no additional cleaning, even though they are disinfected. This cleaning is absolutely necessary due to the many aggressive substances involved, such as blood, saliva, tooth materials, composites and prophylaxis powder. These form a viscous sludge that leads to blockages and a loss of efficiency or, in the worst case, could result in a complete shutdown of the practice.

### The solution from Dürr Dental: Orotol® plus and MD 555 cleaner

Orotol® plus used in combination with MD 555 cleaner protects all suction-unit components (including lines!) from deposits, microbial contamination and encrustation. With regular application, they can prevent a loss of efficiency and extend the life of your suction unit. Instructions for proper application can be found on page 06.



The OroCup by Dürr Dental makes application easy and reduces the workload



## Orotol® plus Suction-unit disinfection

Foam-free and highly efficient liquid concentrate for the simultaneous disinfection, deodorisation, cleaning, and care of all suction systems and amalgam separators.

- For suction systems, recommended by leading device manufacturers
- No resistance development to germs
- Tested for material compatibility
- Preserves the value of suction units
- Dissolves and disinfects bio-film and prevents clogging (blood, proteins)
- Long-term effect
- Wide range of effectiveness

**Active ingredients**  
QAV

**Pack size**  
2.5 l bottle

**For use in**  
OroCup



## MD 555 cleaner Special cleaner

Foam-free concentrated liquid for dental suction units and amalgam separators.

- Powerful cleaning against deposits of powdered blasting agents
- Dissolves encrustations and clogging from lime and prophylaxis powder (softening agent)
- Ideal in combination with Orotol® plus or Orotol® ultra
- An effective composition of organic acids and foam-free tensides

**Pack size**  
2.5 l bottle

**For use in**  
OroCup



### Orotol® plus: Effective against

- bacteria (incl. TB)
- fungi
- virus (incl. HBV, HCV, HIV)

### MD 555 cleaner: Effective against

- prophylaxis powder
- salts/carbonates
- lime

# Keep your suction unit in shape



Orotol® plus

Application to be carried out after the end of treatment, for higher rates of use twice per day (afternoon and evening).

1. Preclean by aspirating 2 litres of water
2. Apply the solution to the care system.\*  
For one treatment unit: mix 20 ml (1 dose cap) with 1 litre of cold water (for two treatment units, double the amounts)
3. Plug suction hoses onto care system and aspirate solution
4. Mix one more litre and distribute in max. four spittoons
5. Allow to react at least 1 hour or overnight
6. Aspirate 2 litres of water after the reaction time/the next morning

\* Use of a care system with suction-hose adapters for aspirating an air-solution mix. Aspiration from a cup or container without an appropriate adapter is not suitable for disinfection and cleaning. We recommend using the OroCup.



MD 555 cleaner

Apply once or twice per week (e.g. Tuesday and Thursday), at higher rates of use daily, before the midday break.

1. Preclean by aspirating 2 litres of water
2. Apply the solution into the care system.\*  
For one treatment unit: mix 50 ml (2.5 dose caps) with 1 litre of cold water (for two treatment units, double the amounts)
3. Plug suction hoses on to care system and aspirate solution
4. Mix one more litre and distribute in max. four spittoons
5. Allow to react for at least ½ to 2 hours (midday break)
6. Aspirate 2 litres of water after the reaction time

# The ideal complement

## MD 550 spittoon cleanser with microbial effect

Foam-free and ready-to-use compound for highly effective cleaning and care of the spittoon.

- Effortlessly removes residue left by lime, blood, plaque pigments, impression material, etc.
- Cleans the spittoon with antimicrobial effect (bactericide/fungicide)
- Pleasant scent
- Contains no abrasives
- Very good material compatibility

**Pack size**  
750 ml bottle



## With Orotol® plus and MD 555 cleaner



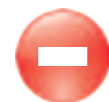
Deposit container, sludge-free



Centrifuge drum runs smoothly - without sludge



Centrifuge housing, incrustation is impossible here



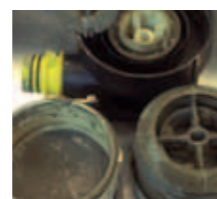
## Without Orotol® plus and MD 555 cleaner



Deposit container, full of sludge



Centrifuge drum, performance hindered by sludge



Centrifuge housing, encrusted - total failure of the suction unit

## Pointers from the market leader Dürr Dental for preserving the value of the suction unit

- After every patient and prior to disinfection or cleaning, aspirate at least one glass of water through the spittoon and the suction hoses. This removes blood, saliva and dentine remains and prevents blockage or complete failure of the suction unit.
- Use cold water to mix the disinfectant - warm water inactivates many disinfectant components and tends to create foam and coagulation when combined with blood.
- Just as in household appliances, tough lime deposits can lead to defective devices and plumbing. Depending on water hardness, use MD 555 cleaner at least once a week.
- Use only foam-free products - do not use instrument/surface disinfectant, household detergent or normal household cleaning agents in the suction unit.
- Avoid mixing products, as this can neutralise the disinfectants.
- Do not use the suction unit to vacuum drawers, etc.
- Carry out the recommended maintenance.

Pointers from the market leader

# Overview of range of effectiveness and applications

	Disinfection	VAH/DGHM <sup>1</sup> listed	Meets European standard	Cleaning	Bactericidal	Tuberculocide	fungicide <sup>2</sup>	limited virucidal effect <sup>3</sup> (enveloped viruses, incl. HBV, HCV and HIV)	Virucidal (effective against all viruses)	Biodegradable	Aldehyde-free	Application concentration	Time to take effect in min
<b>Orotol® plus Suction-unit disinfection</b>	■	■	■	■	■	■	■	■		■	■	2%	60 <sup>4</sup>
<b>Orotol® ultra Suction-unit disinfection</b>	■	■	■	■	■	■	■	■	■	■	■	1%	60 <sup>4</sup>
<b>MD 555 cleaner Special cleaner</b>				■						■	■	5%	30-120
<b>MD 550 spittoon cleanser</b>			■	■	■		■			■	■	undiluted	approx. 5

<sup>1</sup> Association for applied hygiene/German society for hygiene and microbiology <sup>2</sup> Tested with *Candida albicans* <sup>3</sup> As per RKI recommendation (Federal Health Gazette, 47, 62-66, 2004) <sup>4</sup> Incl. TB bacteria