

Laboratory hygiene from Dürr Dental – reliable and cost-effective

Disinfection, cleaning and care in the lab



Disinfection of impressions at the push of a button – with the Hygojet disinfection lock

Impressions and dental work pieces stemming from the oral cavity of the patient are always contaminated with saliva, frequently also with blood and secretions. In order to prevent infections, the Hygojet from Dürr Dental ensures absolute impression hygiene.

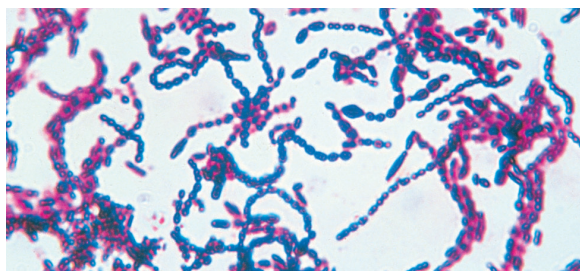
The Hygojet is a closed centre system that serves as a disinfection lock. All technical and chemical components are matched to one another to ensure reliable disinfection and cleaning. The Hygojet thus conforms to the employers' liability insurance association regulations BGR 250/TRBA 250 and BGI 775. Cross-infection is prevented, odours are ruled out.

The Hygojet can be used immediately after it has been hooked up to the compressed air, water supply and drain connections. Disinfectant, air supply and water pressure are regulated pneumatically independently of one another. This ensures the controlled fine spraying of a precisely regulated quantity of MD 520 as well as the intensive water spraying and if required quick drying using air.

Germ-free and precise

The disinfection and cleaning of impressions must not impair their precision. Disinfection with alcohol-based surface disinfectants is therefore ruled out, as the material properties could change. Allowing for the parameters microbiological effectiveness, form stability and plaster compatibility, it should be possible to disinfect and clean all commercial impression materials:

- Alginates
- Hydrocolloids
- Silicones
- Polysulphides
- Polyether rubber



Germ and infection risks can be a threat anywhere



6 Impressions in 12 minutes

Place the labelled impression tray into the disinfection and cleaning chamber. Close the glass lid.



1. Put in the impression, preclean with water

Hold the impression under the spray head using the hygienic glove, press the water button and rinse off under the running water.



2. Disinfection

Press the yellow disinfection button, spray impression from all sides – until the yellow signal appears.



Following disinfection in the Dürer Hygojet, models can be stored without problems

MD 520 Impression disinfection

The impression disinfectant MD 520 lives up to the difficult requirements regarding disinfection and cleaning. The proven preparation is a highly effective usable solution free of formaldehyde for the simultaneous disinfection and cleaning of all commercial impression materials. Independent studies and own analyses have shown:

- Comprehensive effectiveness against bacteria, incl. Tb, fungi and viruses (enveloped viruses, non-enveloped Adeno viruses, HBV, HCV and HIV)
- MD 520 has VAH/DGHM certification!
- Form stability for all commercial impression materials
- Improved flow capacity of the plaster
- Plaster compatibility is preserved



3. Set residence time

Push timer start button. The end of the disinfection process (10 minutes) is indicated by an acoustic signal.



4. Final rinse

Press the water button. An intensive water jet thoroughly rinses off the disinfectant.



5. Dry

The air button is used to dry the impression resin. The button is also used to increase the intensity of the spray jet during pre-cleaning and final cleaning.

The right size for every laboratory – systematic impression disinfection

Two alternatives, one solution

There are two alternative application methods for impression disinfection: First, automated disinfection with the Hygojet, and second the immersion method using the Dürr Dental disinfection container or the Dürr Dental Hygobox. Convenience and economic efficiency are factors in favour of the Hygojet. Immersion disinfection, on the other hand has its advantages in quick and individual application without initial investment and installation. It may be the right choice in case of a regular low number of impressions made.



The Dürr disinfection container allows up to two impressions to be disinfected and cleaned at the same time. The lid contains an integrated suspension device for two impression spoons.



The Hygobox box can hold up to 6 impressions and prosthetic pieces at the same time. The ergonomic carrying handles, the stable drip position for the coarse filter and simple care thanks to the dishwasher proof materials make the handling convenient.



MD 520 with the immersion method

Depending on the requirement and the work to be carried out, two disinfectant containers are available: The Dürr Dental disinfection container and the Hygobox. With a residence time of only 5 minutes, impressions and dental work pieces can be disinfected and cleaned safely using the immersion method. The holding time of MD 520 is 1 week with a maximum of 20 impressions in the disinfection container or 50 impressions in the Hygobox.



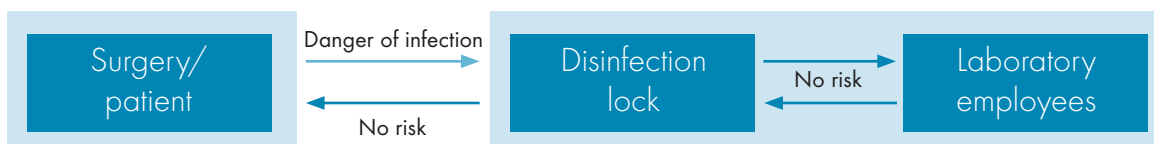
MD 520 in the Hygojet

For laboratories and surgeries with larger impression volumes, the advantages of the Hygojet predominate:

- Closed centre disinfection lock system. Disinfection is performed centrally for all employees instead of taking place at the individual work stations.
- Economical use of MD 520 – only 10 ml per impression or dental work piece. 2.5 litres of MD 520 are enough for 250 applications.
- Logical application: Lay the impression into the device, pre clean with water, disinfect, start the timer, final rinse, dry if required – done.



Automated disinfection with the Hygojet



The decisive factors are safety, swiftness and efficiency as well as convenient application

Special cleaning agent for stubborn dirt

Powerful special cleaning agents for prostheses, instruments and tools.
Precision, material compatibility and swiftness are decisive in a lab.
Dürr Dental special cleaning agents meet the highest demands with perfect application benefits.



MD 530 prostheses cleaner and cement remover

MD 530 is a special acidic cleaner, which can remove acid-soluble soiling. The cleaning effect is impressive thanks to the thorough treatment given to prostheses and instruments by the ready-to-use solution. A factor that facilitates the daily cleaning routine considerably. At the same time convenience of application reduces the cleaning times, because the ultrasonic device requires residence times of only two to ten minutes (depending on the material).



The MD 530 prosthesis cleaner thoroughly cleans prostheses and dental instruments. Tartar, smoking stains, oxide coatings, corrosion or cements are no problem.



This is what counts:

- Intensive cleaning effect
- Outstanding material compatibility thanks to special corrosion inhibitors
- Ready-to-use solution without preparation problems
- Application in the immersion container, in the Hygobox or in the beaker of the Hygasonic ultrasonic device



MD 535 plaster remover

MD 535 is a special cleaner with exceptional cleaning power for removing plaster and alginate. The highly effective solution is used for impression spoons, spatulas, plaster knives, mixing cups (including those from vacuum mixing units), prosthetic materials, orthodontic regulating devices and many more. MD 535 cleans without residues, and its effect can even be accelerated by using an ultrasonic bath or by heating to up to 50°C.



This is what counts:

- Outstanding cleaning power thanks to material-compatible cleaning components with activity indicator
- Ready-to-use solution without preparation problems
- Application in the immersion container, in the Hygobox or in the beaker of the Hygasonic ultrasonic device



The MD 535 plaster remover perfectly removes plaster and alginates from dental work pieces and instruments. Even stubborn soiling does not stand a chance.

Laboratory hygiene at a glance

Activity spectra and applications	Disinfection	VAH/DGHM ¹ -listed	Meets European standard	Cleaning	Bactericidal	Tuberculoid	Fungicidal ²	Limits virucidal ³ (enveloped viruses, incl. HBV, HCV and HIV)	Biodegradable	Application concentration	Time to take effect in min	Time to take effect in min in ultrasonic bath	Holding time in days
MD 520 Impression disinfection	■	■	■	■	■	■	■	■	■	undiluted	5'/10 ⁵		7
MD 530 prosthesis cleaner/cement remover				■					■	undiluted	max. 10	max. 10	
MD 535 plaster remover				■					■	undiluted	as required	as required	

¹In accordance with VAH/DGHM: German associations of scientific experts that dedicate themselves to the overall promotion and medical research in the area of infectiology and microbiology, ²tested with *Candida albicans*, ³according to RKI recommendation (Bundesgesundheitsbl. 47, 62-66, 2004), ⁴incl. Tb bacteria, ⁵in the Dürr Hygojet

Technical Data	Hygojet
Device dimensions (H x W x D cm)	34 x 56 x 32
Disinfectant chamber dimensions (H x W x D cm)	20 x 30 x 25
Disinfectant solution consumption	10 ml per impression visual control with the yellow indicator "Chem Control"
Water flow pressure (bar)	2.5
Water consumption (l/min)	2.0
Water supply connection	R 3/4"
Air flow pressure (bar)	2.5
Air consumption (l/min)	88
Connection for quick-coupler (dia. mm)	12
Connections for gravity drain to sewer line (dia. mm)	approx. 20