

# Laboratory hygiene from Dürr Dental – safe and economical

Disinfection, cleaning and care in the laboratory



COMPRESSED AIR  
SUCTION  
IMAGING  
DENTAL CARE  
HYGIENE

# Impression disinfection at the push of a button with the Hygojet disinfection system

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

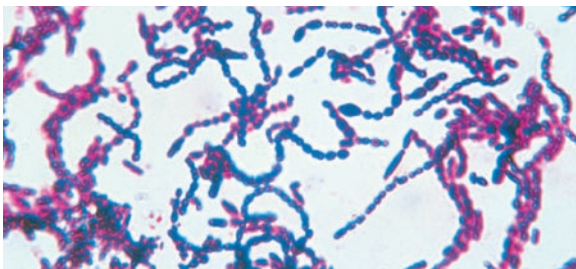
Hygojet is a closed system that serves as a disinfection system for cleaning and disinfection. All the technical and chemical components are carefully coordinated to ensure reliable disinfection and cleaning. Hygojet thus conforms to the employers' liability insurance association regulations TRBA 250 and DGUV Information 203-021. Cross-infections are prevented, odours are ruled out.

Hygojet is ready to use as soon as it has been connected to the compressed air supply, water supply and wastewater outlet. Disinfectant, air supply and water pressure are pneumatically regulated independently of one another. This ensures not only controlled fine spraying of a precisely metered quantity of MD 520, but also intensive water spraying for cleaning and quick drying with air if required.

## Germ-free and precise

The disinfection and cleaning of impressions must not impair their precision. This rules out alcohol-based surface disinfectants for disinfection, as they could change the material properties. Taking into account the parameters of microbiological effectiveness, dimensional stability and compatibility with plaster, a solution is required that can disinfect and clean all standard impression materials:

- Alginates
- Silicones
- Polyether rubber
- Hydrocolloids
- Polysulphides



Germ and infection risks can be a threat anywhere



### 1. Pre-cleaning

Insert the impression and close the glass lid. Press the water button and rinse thoroughly with the aid of the hygienic glove.



### 2. Drying

The impression material is dried with the air button. This button is also used to increase the intensity of the spray jet during pre-cleaning.



### 3. Disinfection

Press the yellow disinfection button to spray the impression from all sides – until the yellow indicator lights up.



After disinfection in a Hygojet unit, models can be stored safely

## Impression disinfection with MD 520

MD 520 impression disinfectant is more than up to the difficult task of disinfection and cleaning. The tried and tested preparation is a highly effective, formaldehyde-free ready-to-use solution for simultaneous disinfection and cleaning of all standard impression materials. Independent studies and own investigations have shown:

- Bactericidal incl. TB, yeasticidal, virucidal (tested in accordance with EN 14476)
- For use with alginates, silicones, polyether rubber, hydrocolloids, polysulphides etc.
- Increased accuracy in the plaster master model, thanks to effective cleaning effect
- No adverse effects on dimensional stability or plaster compatibility



### 4. Set the contact time

Press the timer start button. A buzzer signals the end of the disinfection process (10 minutes).



### 5. Final rinse

Press the water button. A powerful jet of water thoroughly rinses off the disinfectant.



### 6. Drying

The impression material is dried with the air button. This also boosts the spray jet for the final rinse.

# The right size for every laboratory – our impression disinfection system

## Two alternatives, one solution

There are two alternative application methods for impression disinfection: firstly, automated disinfection with the Hygojet system, and secondly the immersion method using the Dürr Dental disinfection box or the Dürr Dental Hygobox. Ease of use and efficiency are two of the reasons to choose the Hygojet. On the other hand, immersion disinfection offers advantages in terms of fast and individual use without initial investment or installation. It may be the right choice for surgeries that need to deal with small numbers of impressions on a regular basis.



The Dürr Dental disinfection box can be used to disinfect and clean up to two impressions at the same time. An attachment for two impression trays is integrated in the cover.



The Hygobox can hold up to 6 impressions and prosthetic pieces at the same time. The ergonomically moulded carrying handles, the stable drip position for the filter cartridge and the ease of care thanks to the use of dishwasher-proof materials make this unit particularly easy to work with.



## MD 520 with the immersion method

Depending on the level of demand and the work to be carried out, two different disinfectant containers are available: the Durr Dental disinfection box and the Hygobox. With a contact time of just 5 minutes, impressions and dental workpieces can be reliably disinfected and cleaned using the immersion method. MD 520 can be used for up to 1 week, with a maximum of 20 impressions in the disinfection box or 50 impressions in the Hygobox.

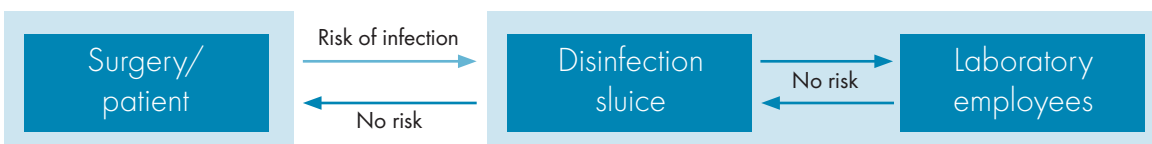
## MD 520 in the Hygojet

The advantages of the Hygojet really come into play for laboratories and practices that handle a large number of impressions:

- Closed disinfection sluice system. Disinfection is performed centrally for all employees instead of at individual workstations.
- Economical use of MD 520 – just 10 ml per impression or dental workpiece. 2.5 l of MD 520 is sufficient for 250 applications.
- Logical application: Insert impression, pre-clean with water, dry, disinfect, start timer, final rinse, dry if required – ready.



## Automated disinfection with Hygojet



The key factors here are safety, speed and efficiency combined with user friendliness

# Special cleaning agents for stubborn soiling

Powerful special cleaning agent for dentures, instruments and tools. Precision, material compatibility and speed of action are decisive in a lab. Dürr Dental special cleaning agents meet the highest demands and offer perfect application benefits.



## MD 530 denture cleaner and cement remover

MD 530 is a special acidic cleaner for the removal of acid-soluble soiling and deposits. Its cleaning effect is impressive – dentures and instruments are given a thorough cleaning by the ready-to-use solution. A factor that makes daily cleaning routines much, much easier. Its ease of use also shortens cleaning times because exposure times of just two to ten minutes (depending on the material) are required in the ultrasonic device.



Denture cleaner MD 530 provides thorough cleaning for dentures and dental instruments. Calculus, smoking stains, oxide coatings, corrosion or cements are no problem.

### Key features:

- Intensive cleaning effect and residue-free removal of acid-soluble plaque
- For direct use, outstanding material compatibility
- Contains corrosion inhibitors
- For use 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 the removal of plaster and alginate. The highly effective ready-to-use solution is used for impression trays, stirring spatulas, plaster knives, mixing cups (including those from vacuum mixing units), prosthetic materials, orthodontic devices and many more. MD 535 gets them all perfectly clean, but it works even faster if it is combined with an ultrasonic device and heated to 50°C.



### Key features:

- Neutral special cleaner with particularly fast action
- Intensive cleaning power for residue-free removal of plaster and alginate
- With activity indicator
- For use in the immersion container, in the Hygobox or in the beaker of the Hygasonic ultrasonic device

MD 535 plaster remover perfectly removes plaster and alginate from dental workpieces and instruments. Even stubborn soiling does not stand a chance.

# Laboratory hygiene at a glance

Spectrums of activity and applications	Disinfection	Cleaning	Biodegradable	VAH listed	IHO virucide list	Tested in accordance with EU standards	Bactericidal	Tuberculocidal	Yeasitcidal	Limited virucidal	Limited viricide PLUS	Virucidal	Application	Action time in minutes as per VAH	Reaction time in min. in ultrasonic bath	No. of days product works for
Impression disinfection with MD 520	■	■	■	■	■	■	■ <sup>1</sup>	■ <sup>2</sup>	■ <sup>1</sup>	■	■	■ <sup>5</sup>	Undiluted	5 <sup>3</sup> /10 <sup>4</sup>		7
MD 530 denture cleaner/cement remover		■	■										Undiluted	Max. 10	Max. 10	
MD 535 plaster remover		■	■										Undiluted	As required	As required	

<sup>1</sup>High level of soiling, <sup>2</sup>Low level of soiling, <sup>3</sup>Incl. Tb bacteria, <sup>4</sup>In the Hygojet, <sup>5</sup>Certified to EN 14476

Technical data	Hygojet
Dimensions of unit (H x W x D in cm)	34 x 56 x 32
Dimensions of disinfection chamber (H x W x D in cm)	20 x 30 x 25
Consumption of disinfectant solution	10 ml per impression, visual check through yellow ‚Chem Control‘ indicator
Water flow rate (bar)	2.5
Water consumption (l/min)	2.0
Water connection	R 3/4“
Air flow rate (bar)	2.5
Air consumption (l/min)	88
Connection for quick release coupling (Ø mm)	12
Connections for discharge with downward incline to drainage pipe (Ø mm)	approx. 20