

Standard Operating Procedure (SOP)

Manual cleaning and disinfection of rotary instruments in burr bath or ultrasonic device

Instruments and accessories for general, preventive, restorative, orthodontic (non-invasive) treatments as well as surgical, periodontal or endodontic (invasive) treatments.



WHAT	WHEN	HOW	BY MEANS OF
burr bath cleaning and disinfection	Prior to preparation of a new burr bath	Wear protective gloves + protective glasses! ➤ empty the burr bath ➤ rinse it with water ➤ if necessary clean it with a suitable brush ➤ wipe out the tray completely with a disinfection wipe	- plastic brush (sterilizable) - MinutenWipes, PlastiSept-Wipes eco - MaxiWipes soaked with MinutenSpray-classic or PlastiSept eco
Preparation of cleaning bath for burrs Labelling of the burr bath: product name, indication of the volume of the burr bath in litres, date of preparation, concentration	Per workday	Wear protective gloves, an apron impermeable to water + protective glasses! The cleaning solution for burrs is prepared from the granulate with warm water at a 0.5 % concentration.	- suitable burr bath - warm tap water - AlproZyme (mix 1 sachet with 2 ltr. warm water)
Preparation of disinfection bath for burrs Labelling of the burr bath: product name, indication of the volume of the burr bath in litres, date of preparation, concentration	Per workday ➤ e. g. 1 x per week, if manufacturer confirms by expertises ➤ at visible contamination (e. g. clouding, coagulation, streaking)	The disinfection solution for burrs is made of the concentrate with water at a 0.5 – 2 % concentration.* <u>Fill in water first, then concentrate!</u> ➤ use cold water (max. 20°C) ➤ add the measured quantity of disinfection solution ➤ cover the burr bath ➤ mark the burr bath with the date of preparation (for longer period of use)	- disinfectant for instruments and burrs BIB forte eco (see below)
* BIB forte eco 0.5% \triangleq 5 ml / 995 ml cold tap water (60 min.) BIB forte eco 2% \triangleq 20 ml / 980 ml cold tap water (30 min.)			

WHAT	WHEN	HOW	BY MEANS OF
Preparation	Immediately after each treatment	Wear protective gloves, an apron impermeable to water + protective glasses! Contamination-protected transport to the sterilization area	- suitable disinfection tray - suitable burr bath - tray with lid
Pre-cleaning Cleaning	After each treatment	Wear protective gloves, an apron impermeable to water + protective glasses! <ul style="list-style-type: none"> ➤ if necessary remove gross soilings ➤ ultrasonic device (see note) ➤ deposit burrs bubble-free (observe max. contact period) ➤ foaming / complete wetting of the burrs <p>Note: Prior to disinfection rinse with suitable water</p>	- plastic brush (sterilizable) - AlproZyme - IC-100
Disinfection	After the cleaning	Wear protective gloves, an apron impermeable to water + protective glasses! <ul style="list-style-type: none"> ➤ bubble-free deposit ➤ burrs have to be covered completely with solution ➤ contact times x min.* ultrasonic device (see note4) 	- suitable burr bath - tap water - disinfectant for burrs and instruments BIB forte eco (see below)
<p>* BIB forte eco 0.5% \triangleq 5 ml / 995 ml cold tap water (60 min.) BIB forte eco 2% \triangleq 20 ml / 980 ml cold tap water (30 min.)</p>			

WHAT	WHEN	HOW	BY MEANS OF
Rinsing off the disinfectant	After the disinfection	<p>Wear protective gloves, an apron impermeable to water + protective glasses!</p> <ul style="list-style-type: none"> ➤ rinse with suitable water ➤ if necessary clean again 	<ul style="list-style-type: none"> - suitable water (deionised water) - plastic brush (sterilizable)
Check	After rinsing off the disinfectant	<p>Wear protective gloves, an apron impermeable to water + protective glasses!</p> <ul style="list-style-type: none"> ➤ check cleanliness and function ➤ in case of insufficiencies restart with step „pre-cleaning 	
Drying	After the check	<p>Wear protective gloves, an apron impermeable to water + protective glasses!</p> <ul style="list-style-type: none"> ➤ drying with compressed air or lint-free disposable cloths 	<ul style="list-style-type: none"> - compressed air WL-Blow or - lint-free disposable cloths
Maintenance	Prior to the steam sterilization	<p>Wear protective gloves!</p> <ul style="list-style-type: none"> ➤ according to manufacturer's instructions 	according to manufacturer's instructions
Classification	Prior to the steam sterilization	<p>Wear protective gloves!</p> <ul style="list-style-type: none"> ➤ according to risk classification table <ul style="list-style-type: none"> ○ semi-critical: unpacked ○ critical: packed 	<ul style="list-style-type: none"> - suitable sterilization pouch - suitable pouch sealer

WHAT	WHEN	HOW	BY MEANS OF
Labelling	Prior to steam sterilization	<ul style="list-style-type: none"> ➤ lot number ➤ expiry date / date of sterilization ➤ name or personnel number 	- sticker
Steam sterilization	After the completion of the processing	<ul style="list-style-type: none"> ➤ loading of the steam sterilizer according to manufacturer's instructions (possibly Helixtest) 	- suitable steam sterilizer
Control and approval	After the steam sterilization	<ul style="list-style-type: none"> ➤ check on humidity and intactness of the wrapping ➤ check of Helixtest ➤ process parameters ➤ thermal indicator <p>Please note: hygienic hand disinfection and protective gloves are essential!</p>	<p>- AlproSept-HD (30 sec.)</p> <p>- suitable perforation-resistant gloves</p>

Note: The cleaning and disinfection can also be performed with suitable products in an ultrasonic device. (BIB forte eco 4% - 5 min). Afterwards continue as specified in the table above. (Cleaning: AlproZyme, 1 sachet 2 ltr. – 5 – 15 min)

Instruction by:

Practice operator

taken note of:

Staff

Documentation manual processing Form I

<u>Batch No.</u>		
<u>Cleaning and disinfection (tray / burr bath)</u> <input type="checkbox"/> <u>Ultrasonic device (hand instruments & rotary instruments)</u> <input type="checkbox"/>		
1. Appropriate preparation of the medical devices, carried out according to the current SOP		
2. Cleaning bath prepared according to SOP		
3. Disinfection bath prepared according to SOP		
4. Cleaning and intermediate flushing according to SOP		
5. Disinfection and intermediate flushing according to SOP		
6. Drying according to SOP		
7. Visual control and, if necessary, maintenance according to SOP and manufacturer's instruction		
8. Risk assessment according to SOP		
<u>All steps of the procedure completed</u>	<u>yes</u>	<u>no</u>

Release

Date: _____ Name/Signature: _____

	<u>Completed</u>	
	<u>yes</u>	<u>no</u>
If necessary, sterilization as per SOP of the sterilizer's manufacturer according to DIN EN ISO 13060		

<u>yes</u>

Partial release

All steps of the procedure completed

from: _____ **to:** _____

Date: _____ Name/Signature: _____