

Standard Operating Procedure

Department	Standard Operating Procedure_____	Clinic / Practice
Version B Semi-critical B Page 1 of 5	Cleaning and disinfection of spray channels and all internal surfaces with WL-clean, WL-cid, WL-dry / WL-Blow	as at: 24.08.2016 (GV30052016)

Standard Operating Procedure: SOP_____	
<i>Cleaning and disinfection of transmission instruments in the dental practice with WL-clean, WL-cid as well as WL-dry/WL-Blow and instrument-specific adapter</i>	
This Standard Operating Procedure replaces the version dated:	
Purpose:	The enclosed SOP describes the procedure of manual cleaning and disinfection of spray water/spray air channels and all inner surfaces of turbines as well as contra-angles and hand pieces . For this purpose, the cleaning agent WL-clean , the disinfectant WL-cid and WL-dry/WL-Blow* and the instrument-specific adapters of the company ALPRO MEDICAL GMBH are applied.
Scope:	This SOP applies for the cleaning and disinfection of all turbines as well as contra-angles and hand pieces in the dental practice.
Distribution:	1. Original: QM Delegate 2. Practice / Department 3. Intranet
Enclosures:	
	*for drying
Issued on:	Reviewed on:
by:	by:
	Released on:
	by:

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1. Abbreviations and Terms:

SOP: Standard Operating Procedure

2. Responsibility:

Mr / Ms _____

3. Execution:

3.1 Devices, reagents and materials

- turbine, contra-angle or hand piece
- disinfectant wipe (MinutenWipes or MinutenWipes-Jumbo)
- cleaning solution WL-clean (undiluted),
disinfecting solution WL-cid (undiluted),
WL-dry/WL-Blow
- **instrument-specific adapter from the company ALPRO MEDICAL GMBH**
for turbines or contra-angles and hand pieces
- cloth for the absorption of discharged residues
(to prevent the formation of aerosol)
- suitable plastic brush (according to manufacturer's instructions)
- autoclave / washer-disinfector

3.2 Procedure

According to the recommendations issued by the Robert Koch Institute, hand pieces and contra-angles used on patients have to be rinsed with procedural water for 20 seconds immediately after each treatment before being removed from the instrument hose.

- Burrs and grinding particles must be removed
- Gross contamination has to be completely removed with a lint-free, pre-soaked, non protein fixing disinfectant wipe (MinutenWipes)
- Contamination-protected transport to the preparation area
- Prompt treatment of the instruments in the preparation area (after max. 10 minutes)

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Following, 6 steps are described which always have to be carried out consecutively (wear adequate protective clothing).

Step 1: Cleaning with WL-clean

- Remove the protection cap from the pushbutton of the WL-clean spray can for the inner cleaning.
- Choose the **instrument-specific adapter of type “G” from ALPRO** (REF #) for the turbine, contra-angle or hand piece and plug it firmly on the spray outlet of the WL-clean spray can. Then connect the turbine, contra-angle or hand piece to the adapter.
- Do not hold the outlet (outlet at head) of the turbine or contra-angle or hand piece towards sensitive areas (sensitive surfaces). (For the outer cleaning a wipe soaked with WL-clean is recommended.)
Note: Do not direct to persons.
- Spray the cleaning agent 3 times for 2 seconds each into the channels of the turbine, contra-angle or hand piece to be cleaned. Please pay attention that the cleaning agent comes out visibly of **all** channels of the turbine, contra-angle or hand piece to be cleaned. **Always keep the spray can upright.**
- Remove the turbine, contra-angle or hand piece together with the adapter from the spray can.
- Place the turbine, contra-angle or hand piece on a suitable surface which is not sensitive to the cleaning agent and let it take effect for 1 minute.

Step 2: Disinfection with WL-cid

- Disinfect all outer parts of turbines, contra-angles or hand pieces by wiping with MinutenWipes or MinutenWipes-Jumbo.
- At the end of the contact time plug the turbine, contra-angle or hand piece firmly on the spray can outlet of the WL-cid spray can by means of the **instrument-specific adapter of type “G” from ALPRO** (REF #...../see above).
- Remove the protection cap from the pushbutton of the WL-cid spray can.
- Do not hold the outlet (spray channel outlet) of the turbine, contra-angle or hand piece towards sensitive areas (sensitive surfaces). We recommend using a cloth well soaked with WL-cid or MinutenWipes.
Note: Do not direct to persons or flames.
- Spray the disinfectant for at least 3 seconds into the channels of the turbine, contra-angle or hand piece to be disinfected.

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Please pay attention that the disinfectant comes out visibly of **all** channels of the turbine, contra-angle or hand piece to be disinfected. **Always keep the spray can upright.**

- Remove the turbine, contra-angle or hand piece together with the adapter from the spray can.
- Place the turbine, contra-angle or hand piece on a suitable surface which is not sensitive to the disinfectant and let it take effect for at least 2 minutes.
- Disinfect all outer parts of turbines, contra-angles or hand pieces by wiping with MinutenWipes or MinutenWipes-Jumbo.

Step 3: Drying and cleaning with WL-dry or WL-Blow

WL-dry:

- At the end of the contact time plug the turbine, contra-angle or hand piece firmly on the spray can outlet of the WL-dry spray can by means of the **instrument-specific adapter of type "G" from ALPRO** (REF #/see page 3 – Step 1)
- Remove the protection cap from the pushbutton of the WL-dry spray can.
- Do not hold the outlet (spray channel outlet) of the turbine, contra-angle or hand piece towards sensitive areas (sensitive surfaces). A cloth with good absorptive capacity* respectively wash basin / sterilization room is recommended.

***for the absorption of discharged residues (to prevent the formation of aerosol)**

Note: Do not direct to persons or flames.

- Blow out the residues of cleaning agent and disinfectant by pushing the button for at least 3 seconds (**always keeping the spray can upright**).

or WL-Blow:

- In the preparation room connect the compressed air gun to the available oil-free dry air compressor with bacterial filter.
- At the end of the contact time, plug the turbine, contra-angle or hand piece firmly on the air flow limiter of the compressed air gun by means of the **instrument-specific adapter of type "G" from ALPRO** (REF #/see page 3 – Step 1).
- A cloth with good absorptive capacity* respectively wash basin / sterilization room is recommended.

***for the absorption of discharged residues (to prevent the formation of aerosol)**

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- Blow out the residues of cleaning agent and disinfectant by operating the compressed air gun for at least 3 seconds.

**Note: A final rinsing is not required,
see cytotoxicity report dated 9 July 2013**

Step 4: Check for cleanliness/intactness (SOP)

Step 5: Maintenance

- Subsequently maintain/oil the transmission instruments (according to manufacturer's instructions).

Step 6: Thermal final treatment

for further processing acc. to risk assessment, thermal final treatment acc. to local directives

4. Quality control:

Disinfection efficiency see SOP (by means of expert's reports)
Validation of the autoclave / washer-disinfector

Carry out a residual protein detection test, e. g. cyclically with the TI.Check III from the company ProCheck GmbH, Ennepetal (Germany).

5. Documentation:

The implementation of the cleaning and disinfection of each turbine, contra-angle or hand piece has to be recorded and signed in the form III (**Process steps 1 to 7**)**

6. Further applicable documents:

- Instruction for use of the WL-series by ALPRO MEDICAL GMBH in St. Georgen/Germany

****Documentation "Form III, Manual Processing (according to the current requirements)" by ALPRO MEDICAL for the cleaning and disinfection with WL-clean, WL-cid as well as WL-dry/WL-Blow**

Note:

We recommend integrating the coupling at the instrument hose in the hygiene measures.

Documentation manual processing Form III: semi-critical B

<u>Batch No:</u>		
<u>Cleaning and disinfection (turbines, contra-angles and hand pieces)</u>		
1. Appropriate preparation of the medical devices, carried out according to the current SOP		
2. Pre-rinsing inside and outside according to SOP		
3. Cleaning inside and outside according to SOP		
4. Disinfection inside and outside according to SOP		
5. Drying inside according to SOP		
6. Visual control outside and maintenance inside according to SOP and manufacturer's instruction		
7. Further processing according to risk assessment, thermal final processing according to local directives		
<u>All steps of the procedure completed</u>	yes	no
	<input type="checkbox"/>	<input type="checkbox"/>

Release

Date: _____ Name/Signature: _____

	<u>Completed</u>	
	yes	no
If necessary sterilization according to SOP of the sterilizer's manufacturer according to DIN EN ISO 13060	<input type="checkbox"/>	<input type="checkbox"/>

yes
<input type="checkbox"/>

Partial release

All steps of the procedure completed

from: **to:**

Date: _____ Name/Signature: _____