

Standard Operating Procedure

Department	Standard Operating Procedure_____	Clinic / Practice
Version A Critical B Page 1 of 6	Cleaning and disinfection of spray channels and all inner surfaces with the ALPRO "WaterJet", 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 the ALPRO water pistol (WaterJet), WL-clean, WL-cid, 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 and spray air channels and all inner surfaces of turbines as well as contra-angles and hand pieces by use of the ALPRO water pistol (WaterJet) . For this purpose, the cleaning agent WL-clean, the disinfectant WL-cid, WL-dry / WL-Blow, the instrument-specific adapters and WaterJet of the company ALPRO MEDICAL GMBH are used.	
Scope:	This SOP applies for the cleaning and disinfection of all turbines, contra-angles as well as hand pieces in the practice.	
Distribution:	<ol style="list-style-type: none"> 1. Original: QM Delegate 2. Practice / Department 3. Intranet 	
Enclosures:		
Issued on:	Reviewed on:	Released on:
by:	by:	by:

Standard Operating Procedure

Department	Standard Operating Procedure_____	Clinic / Practice
Version A Critical B	Cleaning and disinfection of spray channels and all inner surfaces with the ALPRO "WaterJet", WL-clean, WL-cid, WL-dry / WL-Blow	as at: 24.08.2016 (GV30052016)
Page 2 of 6		

1. Abbreviations and Terms:

SOP: Standard Operating Procedure

2. Responsibility

Mr / Ms_____

3. Execution:

3.1 Devices, reagents and materials

- turbine, contra-angle and 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 of the company ALPRO MEDICAL GMBH**
for turbine or contra-angle and hand piece
- cloth for the absorption of discharged residues
(to prevent the formation of aerosol)
- WaterJet – water pistol
- 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 the 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)

Standard Operating Procedure

Department	Standard Operating Procedure_____	Clinic / Practice
Version A Critical B	Cleaning and disinfection of spray channels and all inner surfaces with the ALPRO "WaterJet", WL-clean, WL-cid, WL-dry / WL-Blow	as at: 24.08.2016 (GV30052016)
Page 3 of 6		

Following, 5 steps are described which always have to be carried out consecutively (wear protective clothing).

Step 1: Cleaning with water pistol "WaterJet" and WL-clean

- Choose an **instrument-specific adapter of type "G" from ALPRO** (REF #) and plug it on the ALPRO "WaterJet" rinsing adapter from ALPRO.
- Plug the turbine/contra-angle or hand piece at the drive end firmly on the "G"-adapter.
- Flush with the "WaterJet" pistol the instrument 3 times (for 3 seconds each flush) with drinking water (wash basin).
- Remove turbine/contra-angle or hand piece from the "WaterJet" pistol.
- Clean all outer surfaces of the turbines, contra-angles or hand pieces with a suitable plastic brush under running cold water.
- 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 #/see above) 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 or flames.

- Spray the WL-clean 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.

Standard Operating Procedure

Department	Standard Operating Procedure_____	Clinic / Practice
Version A Critical B	Cleaning and disinfection of spray channels and all inner surfaces with the ALPRO "WaterJet", WL-clean, WL-cid, WL-dry / WL-Blow	as at: 24.08.2016 (GV30052016)
Page 4 of 6		

- 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 page 3 – Step 1).
- 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 3 times for 2 seconds each into the channels of the turbine, contra-angle or hand piece to be disinfected. 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 the 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)**

WL-dry meets the hygienic requirements of "medical air" for drying of medical instruments.

Note: Do not direct to persons or flames

Standard Operating Procedure

Department	Standard Operating Procedure_____	Clinic / Practice
Version A Critical B Page 5 of 6	Cleaning and disinfection of spray channels and all inner surfaces with the ALPRO "WaterJet", WL-clean, WL-cid, WL-dry / WL-Blow	as at: 24.08.2016 (GV30052016)

- Blow out the residues of the disinfectant by pushing the button for at least 3 seconds. **Always keep the spray can upright.**

or WL-Blow:

- In the preparation room connect the compressed air gun to the available oil-free dry air compressor using a 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)**

Note: Do not direct to persons or flames

- Blow out the residues of the 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 resp. steam sterilization

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

Step 6: Delivery to the clean side

- For further processing according to risk assessment, thermal final processing according to local directives

4. Quality control:

Disinfection efficiency see SOP (by means of expert's reports)

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

Standard Operating Procedure

Department	Standard Operating Procedure_____	Clinic / Practice
Version A Critical B Page 6 of 6	Cleaning and disinfection of spray channels and all inner surfaces with the ALPRO "WaterJet", WL-clean, WL-cid, WL-dry / WL-Blow	as at: 24.08.2016 (GV30052016)

5. Documentation:

The cleaning and disinfection of each turbine, contra-angle or hand piece has to be recorded and signed in the Form IV (**Workflow Step 1 to 7**)**

6. Further applicable documents:

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

**** Documentation "Form IV", manual processing (according to the current requirements) by ALPRO MEDICAL for the cleaning and disinfection with the WL-Series**

Note:

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

Documentation manual processing Form IV: 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>	<u>yes</u>	<u>no</u>
	<input type="checkbox"/>	<input type="checkbox"/>

Release

Date: _____ Name/Signature: _____

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

<u>yes</u>
<input type="checkbox"/>

Partial release

All steps of the procedure completed

from: _____ **to:** _____

Date: _____ Name/Signature: _____