

# Standard Operating Procedure (SOP)



## Independent procedural water supply as well as cleaning and disinfection of procedural water lines in medical, dental/oral surgical dental units with ALPRO-BCS (BottleCareSystem) according to EN 1717 DIN 1988-100

WHERE	WHAT	WHEN	HOW	BY MEANS OF
<b>Procedural water lines/ Dental unit</b>	Filling of the ALPRO-BCS pressure bottle	Daily and if necessary	Wear protective gloves + protective glasses! (PPE) <ul style="list-style-type: none"> <li>➤ Fill the ALPRO-BCS pressure bottle with 1.485 ml drinking water</li> <li>➤ and 1 % (15 ml) disinfection solution (e. g. Alpron) (measuring cup)               <ul style="list-style-type: none"> <li>➤ first drinking water (add ca. 200 ml)</li> <li>➤ then concentrate</li> <li>➤ afterwards fill with drinking water up to the mark.</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• PPE (Personal Protective Equipment)</li> <li>• ALPRO-BCS Pressure bottle, ALPRO MEDICAL GMBH</li> <li>• Drinking water</li> <li>• Alpron, ALPRO MEDICAL GMBH</li> </ul>
	Locking of the prepared ALPRO-BCS pressure bottle in the bottle holder of the ALPRO-BCS	Daily and if necessary	Wear protective gloves + protective glasses! (PPE) <ul style="list-style-type: none"> <li>➤ Screw the filled ALPRO-BCS pressure bottle carefully in the bottle holder of the ALPRO-BCS</li> <li>➤ pressurise the ALPRO-BCS pressure bottle with compressed air by actuating the lever (position 1) on the outside of the ALPRO-BCS</li> <li>➤ Now you can start the treatment</li> </ul>	<ul style="list-style-type: none"> <li>• PPE (Personal Protective Equipment)</li> <li>• ALPRO-BCS, ALPRO MEDICAL GMBH</li> <li>• ALPRO-BCS Pressure bottle, ALPRO MEDICAL GMBH</li> </ul>

WHERE	WHAT	WHEN	HOW	BY MEANS OF
Procedural water lines/ Dental unit	Replacement of ALPRO-BCS pressure bottle	When emptying the ALPRO-BCS pressure bottle	<p>Wear protective gloves + protective glasses! (PPE)</p> <ul style="list-style-type: none"> <li>➤ <u>Release the ALPRO-BCS pressure bottle in pressurized condition</u> until you hear that air escapes. After that switch off compressed air (lever on position 0)</li> <li>➤ Afterwards take the ALPRO-BCS pressure bottle and refill it (see above) or replace it by an already prepared ALPRO-BCS pressure bottle</li> <li>➤ Empty into spittoon bowl or washbasin</li> </ul>	<ul style="list-style-type: none"> <li>• PPE (Personal Protective Equipment)</li> <li>• ALPRO-BCS, ALPRO MEDICAL GMBH</li> <li>• ALPRO-BCS Pressure bottle, ALPRO MEDICAL GMBH</li> <li>• Drinking water</li> <li>• Alpron, ALPRO MEDICAL GMBH</li> </ul>
	Remove ALPRO-BCS pressure bottle and discard contents	Before starting work		
	Disinfection of the water line	<ul style="list-style-type: none"> <li>➤ Once a weekend (At the end of the workday)</li> <li>or</li> <li>➤ before holidays start (longer standstill periods)</li> </ul> <p>Please note: In difficult drinking water conditions (high organic load), it may be necessary to carry out an additional application (e.g. in the middle of the week) overnight.</p>	<p>Wear protective gloves + protective glasses! (PPE)</p> <ul style="list-style-type: none"> <li>➤ Fill <u>ALPRO-BCS pressure bottle</u> labelled <u>Bilpron only</u> with at least 200 ml Bilpron and screw it into the bottle holder</li> <li>➤ Pressurising see above</li> <li>➤ Flush all procedural water lines of the dental unit until Bilpron (blue) visible comes out</li> <li>➤ Leave the ALPRO-BCS pressure bottle at the dental unit</li> <li>➤ Contact time at least 12 hours, max. 3 months</li> </ul>	<ul style="list-style-type: none"> <li>• PPE (Personal Protective Equipment)</li> <li>• ALPRO-BCS, ALPRO MEDICAL GMBH</li> <li>• ALPRO-BCS Pressure bottle, ALPRO MEDICAL GMBH</li> <li>• Bilpron, ALPRO MEDICAL GMBH</li> <li>• Measuring cup (500 ml), ALPRO MEDICAL GMBH</li> </ul>

WHERE	WHAT	WHEN	HOW	BY MEANS OF
Workplace/ processing room	Processing (cleaning/ disinfection) of the ALPRO-BCS pressure bottle	At visible turbidity/soiling; <u>at least once a week</u>	<p>Wear protective gloves + protective glasses! (PPE)</p> <ul style="list-style-type: none"> <li>➤ Pour the complete contents of BC-San 100 (100 ml) into the ALPRO-BCS pressure bottle, fill up with drinking water. <ul style="list-style-type: none"> <li>➤ Add some drinking water</li> <li>➤ Then concentrate</li> <li>➤ Then fill up the ALPRO-BCS pressure bottle completely with drinking water.</li> </ul> </li> <li>➤ Closed filled ALPRO-BCS pressure bottle with screw cap and only discard the solution at the start of work</li> <li>➤ Or screw the filled ALPRO-BCS pressure bottle carefully at the bottle holder of the ALPRO-BCS</li> <li>➤ Contact time at least 6 hours – max. over the night/weekend, afterwards discard contents</li> </ul> <p>Please note: Prior to reconnection the procedural water supply system, dispose of the content of the ALPRO-BCS pressure bottle via the wastewater. For rinsing, fill the disinfected ALPRO-BCS pressure bottle to <math>\frac{1}{3}</math> with drinking water, shake well and empty. Repeat this process once.</p>	<ul style="list-style-type: none"> <li>• PPE (Personal Protective Equipment)</li> <li>• ALPRO-BCS Pressure bottle, ALPRO MEDICAL GMBH</li> <li>• BC-San 100, ALPRO MEDICAL GMBH</li> <li>• Drinking water</li> </ul>

WHERE	WHAT	WHEN	HOW	BY MEANS OF
Procedural water lines/ Dental unit	Disinfection of the thread of the ALPRO-BCS pressure bottle holder  Disinfection of the thread of the ALPRO-BCS pressure bottle holder and the riser tube	Working day	Thoroughly clean and disinfect the thread of the ALPRO-BCS pressure bottle holder and the riser tube with a disinfectant wipe	<ul style="list-style-type: none"> <li>PlastiSept eco Wipes, ALPRO MEDICAL GMBH</li> <li>MinutenWipes, ALPRO MEDICAL GMBH</li> </ul> Or <ul style="list-style-type: none"> <li>MaxiWipes <i>reel</i>/ -L <i>reel</i>, ALPRO MEDICAL GMBH</li> </ul> Soaked with <ul style="list-style-type: none"> <li>BC-San 100, ALRPO MEDICAL GMBH</li> </ul>

Please Note: Before starting work, flush all water-carrying lines for 2 minutes (basis: RKI (Robert-Koch-Institute) recommendation 2006 on infection prevention in dentistry).

Please Note: We recommend using a sterile filter (REF 3582), ALPRO MEDICAL GMBH, if the germ load in the drinking water at the tapping point is too high.

**Instruction by:**

\_\_\_\_\_  
Date/Signature (Practice operator)

**Taken note of:**

\_\_\_\_\_  
Date/Signature (Staff)

**Created by:**

\_\_\_\_\_  
Date/Signature (Practice operator)

**Updated on:**

\_\_\_\_\_  
Date/Signature (Staff)