

EXO SAFE



EN—Use of Periotomes

EN - EXO SAFE Complete Extraction Kit

(REF. EXO_FULL)



- The kit contains :
- 1 SAFEautomatic impactor
 - 1 convex right Fine periotome
 - 1 convex right Wide periotome
 - 1 convex angled Vertical periotome
 - 1 convex angled Horizontal periotome
 - 1 concave right Fine periotome
 - 1 concave right Medium periotome

The figure depicts the complete EXO_FULL Ref kit. The procedure and operating instructions are also applicable to the EXO_SET reference.

INDICATIONS

The periotomes initiate tooth mobility by enlarging the desmodontal space in the interproximal, lingual and distal areas. This SAFE impactor can also be used for a crestal sinus lift and/or bone condensation with our OSTEO SAFE solution (information available on www.anthogyr.com). The use of periotomes is designed to preserve the maximum amount of peripheral bone tissue. The SAFE automatic impactor, combined with the periotomes, enables atraumatic tooth extractions.

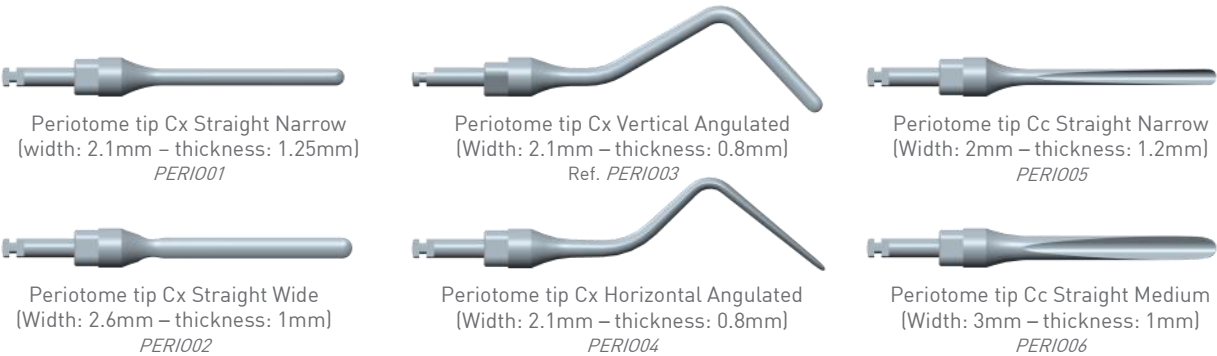
PROCEDURE

- Preferably make an incision in the gums to have direct visual control of the alveolar ridge.
- Preferably use the convex wide right periotome (PERI002) in the mesial, then distal, then palatin or lingual areas.
- Apply a gentle alternating rotary movement while moving the periotome blade around the desmodontal ligament.
- Extract the tooth as soon as it is sufficiently mobile.
- Use the fine convex periotome (PERI001) if a fractured apex remains in the alveolus.
- Do not use the periotome in a vestibular position, in order to preserve the maximum amount of outer cortical surface.

INSTRUCTIONS FOR USE

The SAFE automatic impactor is designed to generate shocks with a controlled intensity and duration. When combined with the periotomes, it will enable automatic and controlled dental extractions. The number of micro-impacts is controlled by the motor's speed. The Universal Surgical instrument can also be used in manual mode with, if necessary, all the periotomes provided in the EXO SAFE solution.

THE DIFFERENT MODELS



CONNECTION TO THE SAFE AUTOMATIC IMPACTOR

Refer to the brochure for the 1636920SAFE_NOT automatic impactor.

⚠ Do not turn on the cooling systems for the implantology motors and dental units. Do not use peristaltic pumps or sprays (water & air).

CLEANING-DISINFECTION-STERILISATION

REPROCESSING PREPARATION

⚠ MDs are supplied NON STERILE. They must be cleaned, disinfected and sterilised before the first use and after each use.

MANUAL CLEANING

📖 For the SAFE automatic impactor and the Universal surgical instrument: Please refer to and read all additional instructions Ref. 1636920SAFE_NOT and 063INUSI_NOT.

For the other KIT components :

- Brush meticulously with a soft brush (example : nylon) under tap water at room temperature under there is no visible trace of contaminants.
- Completely submerge in a detergent and disinfectant solution following the manufacturer's instructions for time, temperature, and concentration, in particular.Anthogyr used the following products and detergents to approve the various protocols : Cidezyme (Johnson&Johnson) for 3 minutes at a concentration of 8mL/L. However, other products and detergents may be used according to local availability. Approval of these products is the responsibility of the user.
- Rinse with purified water for at least one minute.
- Dry immediately, carefully, with a soft lint-free cloth.

AUTOMATIC CLEANING

- Only in a washing and disinfecting machine qualified for the processing of this type of MD. Follow the instructions of the equipment manufacturer.

The thermal disinfection cycle

	Temperature	Duration	Cleaning agent	Detergent and concentration used by Anthogyr to approve protocols*
Pre-wash	Cold water	4 min	Water	Not applicable
Washing	55°C	5 min	Enzymatic detergent	Neodisher Mediclean (2 mL/L)
Neutralization	55°C	3 min	Neutralizer	Neodisher Z Dental (1 mL/L)
Rinsing	40°C	2 min	Water	Not applicable
Thermal disinfection	95°C	10 min	Not applicable	Not applicable
Final rinsing	40°C	2 min	Rinsing liquid	Neodisher Mielclear (0,2 mL/L)
Drying	140°C	10 min	Not applicable	Not applicable

* other products and detergents may be used according to local availability. Approval of these products is the responsibility of the user.

STERILISATION

IMPORTANT: For the Safe impactor, lubricate it well before sterilisation (see MD information sheet).

- Only sterilise clean, lubricated (as needed) and tested (as needed) instruments.
- We highly recommend the use of autoclave with pre-vacuum (Class B).
- Place all MDs in the tray and place it in a sterilising bag compliant with current regulations and adapted to size.
- Observe the space within the bags and avoid overloading the autoclave.

•All **MDs** and their accessories (except accessories marked with the  logo, which are single-use) can be sterilised according to the following parameters :

Country :	Sterilisation parameters	Drying time
European Union	135°C [-1°C / +2°C] for 3 minutes	10 minutes
France	135°C [-1°C / +2°C] for 18 minutes	10 minutes
United States	132°C [0°C / +3°C] [270°F] for 3 minutes	16 minutes

•Drying time is 10 minutes. Ensure the device is perfectly dry at the end of the cycle.

MD LIFECYCLE

If used in a proper manner, all **MD** parts have a lifecycle corresponding to 250 sterilisation cycles.
However, these indications are not a warranty because wear may appear pre-maturely, depending on how the **MD** is maintained (cleaning and sterilisation).

RATIO BETWEEN ROTATION SPEED INPUT (MOTOR) AND SHOCK FREQUENCY OUTPUT

	Ratio 1:1	SAFE Automatic Impactor
	<i>RPM</i>	<i>Impacts/min</i>
	2 000	20
	5 000	50
	10 000	100
MAX →	15 000	150

REORDERING REFERENCE

Description	Ref.	Description	Ref.
Periotome tip Cx Straight Narrow	PERI001	Complete Set of six periotomes	EXO_SET
Periotome tip Cx Straight Wide	PERI002	Complete Extraction Kit	EXO_FULLL
Periotome tip Cx Vertical Angulated	PERI003	Universal Surgical Instrument	INUSI
Periotome tip Cx Horizontal Angulated	PERI004		
Periotome tip Cc Straight Narrow	PERI005		
Periotome tip Cc Straight Medium	PERI006		

