VET Flex&Preserve™

NiTi Endodontic Instrument
For Veterinary Use Only

Consult Instructions For Use

Sterilize Before Use

Composition

Operative portion is composed of nickel titanium alloy.

Indications for use

For the removal of dentin and shaping of the pulp chamber and root canal.

Warnings

Files are provided non-sterile, and must be sterilized before use. This product contains nickel and should not be used on animals with known allergic sensitivity to this material.

Contraindications

None Known

Adverse Reactions

None Known

Precautions

1. As with all new products, you must exercise caution until you become proficient in its use.
2. Usage: Extremely curved = 2 canals max
   Moderately / Slightly curved = 4 canals max
3. Reciprocating rotation.
4. Files shall be used in a motor designed for WaveOne® instruments.* Station Dentsply Sirona Motor hand pieces in its dedicated placeholders when unused.
5. Straight-line access into the canal is a prerequisite for proper endodontic treatment.
6. Always utilize minimal apical pressure. Do not force the files down the canal.
7. Clean file flutes after each insertion into the root canal.
8. Frequently irrigate and lubricate the canal throughout the procedure.
9. Exercise caution in the apical area and around significant curvatures.
10. Inspect cutting flutes routinely upon removal for presence of unwinding and straightening (or elongation). If deformation is noted, discard and use a new file.

Sterilization

Files must be sterilized before use. ANSI/ADA Specification 28 recommends:

- Scrub the instruments with soap and warm water
- Rinse thoroughly with distilled or deionized water
- Allow to air dry
- Place the instruments, unwrapped, in the autoclave tray
- Use fresh distilled or deionized water
- Steam Autoclave at 136°C (+/- 2°C) for 20 minutes
- Recommended file disposal: Place used files in Biohazard Sharps container

Step-by-Step IFU

General Rules of Instrument Usage:

1. Estimate the working length using well-angulated preoperative radiographs.
2. Prepare straight-line access to the canal – using these files, access through the fracture site is advocated.
3. Scout canal with a size 10, 15 or 20 hand file to establish working length.
4. With irrigation solution in the canal, create and confirm a reproducible glide path with an ISO 15 and then: Always start your shaping procedure with an ISO 20.
   a. Allow the instrument to move apically for 10-15 millimeters. After shaping 10-15mm of the canal, remove and clean the file, then irrigate, recapitulate with a smaller size hand file and re-irrigate.
   b. With light pressure, allow the file to progress down the canal.
   c. Eliminate coronal restrictions and improve shaping in canals where irregular cross-sections may exist, by cutting on the upstroke.
   d. In narrower canal situations, use a smaller size hand file to navigate to the apical delta. Continue instrumenting with this file until there is no resistance at length.
   e. In as many passes as required, take the file to the full working length. Once length has been reached, remove the file to avoid apical perforation.
   f. Use copious irrigation; re-verify canal patency throughout the procedure.
   g. Irrigate using sodium hypochlorite with activation in canal. Rinse with sterilized saline or de-ionized water.
   h. Inspect cutting flutes routinely upon removal for presence of unwinding and straightening (or elongation). If deformation is noted, discard and use a new file.
5. If the file is loose at length and with no debris in the apical flutes, progress to the next larger file if necessary. Continue shaping as described under a-f.
6. Inspect the flutes; if they are full of debris, then confirm final shaping size by gauging the apical third with a hand file of the same size as the last shaping file.
   a. If the instrument is snug at length, the canal is shaped and ready to be obturated.
   b. If the hand file is loose at length, proceed shaping with the next larger size. Gauge the apical third after each instrument and stop here.
7. When the size is confirmed, proceed with irrigation, drying and obturation protocol.

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