

Made in France

SYNCA

337 Marion, Le Gardeur, QC, Canada, J5Z 4W8

PRODUCT DESCRIPTION

Biolight® DRILL-FREE is a multi-post assembly device consisting of several radiopaque, light-conducting, small diameter strands, made of glass fiber-reinforced composite. Multi-posts are intended for the continuous reinforcement and support of the root and remaining coronal structure of the tooth. The use of an adhesive technique binds together the post, core material and the root dentin for long term favorable outcome.

- The polymer matrix is composed of urethane dimethacrylate (UDMA) and does not contain BisGMA.
- The sleeve is composed of FEP.

INDICATIONS

Endodontically treated teeth post and core build-up restorations. Various sizes are available to meet all practitioners' needs (the appropriate size will be chosen using a radiographic image and the Biolight® Drill-Free multi-post size selector gauge).

Number of strands:	4	6	9	12
Sheath color:	Red	Blue	Black	Yellow

Drill-Free: Adaptability exempts the practitioner from any drilling of remaining dentin.

CONTRA-INDICATIONS

- Allergy to methacrylates.
- Less than 2-3 mm supergingival tooth structure.

SIDE EFFECTS

Allergy to methacrylates.

PRECAUTIONS

- Avoid direct contact with fingers.
- Any coronal adjustments should be done under water spray with surgical suction. We recommend the use of a dental dam. Protective glasses, surgical mask and gloves should be worn during any cutting or drilling.
- In case of irritation, the discomfort can be eased with water and mild soap (mechanical action).
- Dental multi-post is a single-use device and must not be reused.

APPLICATION

- 1) Remove gutta percha from the canal. Leave a 5 mm apical seal. For maximum bond, eliminate any gutta percha remnants using ultrasonics with a diamond coated insert.
- 2) Select the appropriate Biolight® DRILL FREE multi-post according to the apical and coronal morphology of the root canal.
 - Use an x-ray and the multi-post size selector gauge.
 - The gauge indicates the number of strands that must be pushed axially to contact the gutta percha.
 - Select the correct multi-post (4, 6, 9 or 12) according to the degree of flare of the coronal portion of the canal. The remaining strands will be distributed towards the periphery of the canal.
- 3) Clean and dry the canal with air and paper points. (Eugenol can inhibit the polymerization of most bonding materials.)
 - **Tooth preparation:**
- 4) SKIP THIS STEP IF USING A SELF-ETCH ADHESIVE. Etch the walls of the canal (37% phosphoric acid) and rinse thoroughly with water. Carefully dry using paper points.
- 5) Use a dual-cure bonding agent for composite materials. Introduce into the canal, evaporate and light cure.

- 6) Use a dual-cure resin cement (DCRC) for composite materials. After inserting a mixing tip, insert the micro-applicator onto the mixing tip. Expel some DCRC to remove any air bubbles.
- 7) Back-fill the canal starting from the bottom of the canal using the extra fine tip of the syringe. Do not hesitate to overfill.

- Biolight® DRILL-FREE preparation:

- 8) Insert the micro-applicator into the opening of the multi-post sleeve.
- 9) Pull on the sheath to uncover 1/3 of the length of the multi-post.
- 10) Inject the DCRC until it completely passes through the sleeve and exits.
- 11) Push the multi-post back into its sleeve while maintaining pressure on the syringe.
- 12) Release pressure on multi-post while continuing to inject the DCRC, to ensure the multi-post is completely filled with DCRC.

- Assembly and insertion:

- 13) Insert the multi-post fully into the canal without applying excess pressure.
- 14) Do not light-cure at this stage and use a curing-light filter to avoid premature polymerization.
- 15) While maintaining pressure on the multi-post, cut the coronal extension at desired length using thin scissors. Do not use carbide or diamond instruments.
- 16) Each strand is now free within the canal space; organize each strand individually by pushing as many strands as possible towards the apical gutta plug. Remaining strands should be organized laterally towards the coronary periphery using a dental probe or other dental instrument.
- 17) Allow for complete curing of the resin cement as per manufacturer's specifications. After that the material should be light-cured for 40 seconds.
- 18) Core build-up: Complete the core build-up as per your usual technique using a composite of your choice.

CLEANING AND DISINFECTION

- The multi-posts are clean but not delivered sterile.

GUARANTEE – LIMITED LIABILITY

The guarantee is limited to the quality of the product: any defective product will be replaced. The Batch Number must be referenced in all correspondence asking to identify the product. This product has been developed for use in dentistry and must always be used according to the instructions. Any harm resulting from a failure to comply with these provisions, incorrect handling or use for purposes other than those indicated in the instructions, will not be the manufacturer's responsibility. Before every use, the user is obliged to check the compatibility of the equipment with the intended application: in consequence, he or she is entirely liable for use of the product and any associated damages.

Direction of the sleeve



NOTE

- Product use reserved for dental applications.
- Keep out of the reach of children.

 Single use

 See the Instructions for use