

Disinfection by 3 Integrated Forces:

Operated by a dedicated handpiece at 6500 rpm.

Activation of root canal irrigants.

Turbulence of irrigants, which enhances the impact of liquid droplets against the canal walls.

Scrubbing of root canal walls by 7 strands of stainless-steel wires.

Procedure and Protocol of Use

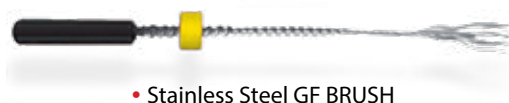
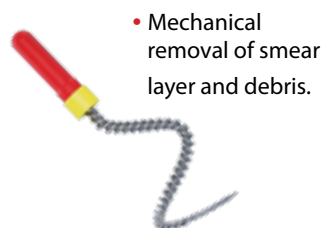
1. Once canal preparation is complete, perform copious irrigation.
2. Introduce the Gentlefile® GF SCRUB (Red-Handled) into the coronal third of the canal.
3. Activate the handpiece and advance the file using gentle up-and-down motions without applying apical pressure.
4. Maintain the instrument short of the original working length.
5. Continue irrigation and repeat instrumentation for 10–20 seconds per canal until the irrigant appears clear.

Note: Irrigation must always precede the use of the file or brush.

6. Irrigate the canals with EDTA and allow it to act for 1 minute.
7. Introduce the Gentlefile® GF BRUSH into the canal without activating the handpiece, advancing it gently into the coronal third of the canal.
8. Activate the GF handpiece and use the GF BRUSH with gentle up-and-down motions until a cumulative operating time of 1 minute is reached in each canal. Advance gently to 1-2 mm short of the original working length.

Note: During insertion, maintain gentle contact between the GF BRUSH and the canal walls. Wall contact allows the brush strands to fully expand and function optimally.

9. Dry the canal and proceed with obturation.
10. In case another disinfection is needed prior to obturation, irrigate again with disinfectant of choice and apply the Gentlefile® Brush for an additional 20–30 seconds to enhance disinfection.



- Once inside the canal, the GF Brush strands expand into a brush-like configuration, mechanically brushing and scrubbing the canal walls to enhance surface debridement.

Summary of the Overall Procedure

- Irrigation with a disinfectant of choice.
- Use of Gentlefile® GF SCRUB (Red-Handled).
- Irrigation with EDTA.
- Use of Gentlefile® GF BRUSH.
- Optional irrigation with a disinfectant of choice.
- Final cleaning with Gentlefile® GF BRUSH.

The Unique Gentlefile® Difference

The Gentlefile® Disinfection System is designed to simultaneously integrate three distinct physical forces:

1. Irrigant activation within canal, resulting in cavitation and microstreaming.
2. Hydrodynamic turbulence, allowing dynamic and thorough irrigant movement throughout the canal system.
3. Centrifugal force, enabling the file and brush components to contact, scrub, and smooth the canal walls.

The combined effect of these forces is achieved through the presence of multiple stainless-steel strands that contact the canal walls at high rotational speed while activating the irrigant, thereby enhancing debris and biofilm disruption.

Gentlefile® Disinfection Kit Contents

- Cordless, dedicated Handpiece, with a Charger.
- Blister pack of Single-Use, Red-Handle, Gentlefile® Scrubs.
- Blister pack of Single-Use, Black-Handle, Gentlefile® Brushes.
- 4 Disposable Heads (Including 1 Pre-mounted).



Manufacturer:

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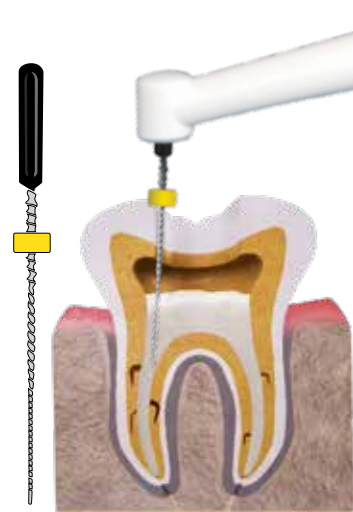
GF BRUSH Strand Expansion Technique

Step 1

Insert the GF-BRUSH into the coronal portion of the canal.

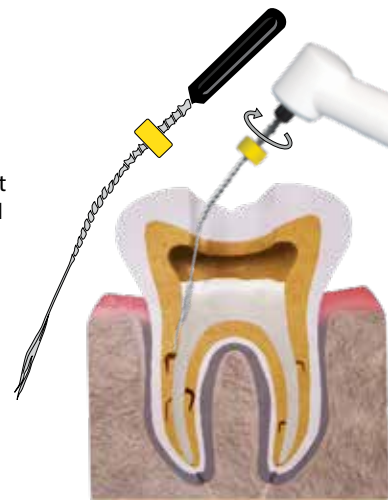
Activate the device and advance the GF-BRUSH toward the apical portion of the canal, short of the original working length, while maintaining gentle contact between the GF-BRUSH strands and the canal walls.

Contact between the GF-BRUSH strands and the canal walls should be established while the GF-BRUSH is rotating in order to allow it to fully expand.



Step 2

If necessary, slightly tilt the handpiece to maintain gentle contact between the GF-BRUSH strands and the canal walls, allowing the GF-BRUSH to open properly.



Step 3

Activate the GF handpiece and use the GF BRUSH with gentle up-and-down motions.

