



14

CLINICAL EVALUATORS

118

TOTAL USES

94%

CLINICAL RATING

Category: Endodontic | Root Canal Sealer

Description

One-Fil by Mediclus is a premixed, calcium silicate-based bioceramic root canal sealer supplied in one 2 g syringe with 15 intra-canal tips, offering convenient, ready-to-use delivery with consistent handling. The bioceramic formulation provides high biocompatibility and effective sealing, supporting predictable outcomes across a wide range of clinical scenarios. **One-Fil** is compatible with cold lateral condensation, single-cone obturation, warm vertical compaction, and thermoplastic techniques, allowing flexibility based on clinician preference. It is well suited for anatomically complex canals, retreatment cases, teeth with wide or immature apices, and reinforcement of the root canal seal in teeth with resorption defects.

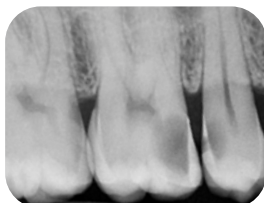
Indications

- Root canal sealing
- Direct and indirect pulp capping
- Pulpotomy, perforation repair, apexification, and as a root-end filling
- Also used in pulp revascularization procedures

Unique Attributes

- Excellent flow and viscosity for accessory and lateral anatomy
- Forgiving handling with no technique modification required
- Long, thin, bendable tips allow access to difficult canals and molars

Before



After



Photos courtesy of
Dr. Adam Hodges



Clinical Tips from Evaluators

- Avoid excessive force during placement due to the material's fluidity.
- After confirming the master cone fit, gently place gutta-percha, pumping is unnecessary.
- Ensure the canal is adequately shaped and dry before placement.
- Bleed the syringe prior to insertion and dispense slowly, using light pressure.

"NICE PRODUCT
WITH NO ADVERSE
REACTIONS, EVEN
WITH AN OVERFILL."

Evaluators' Comments

"One-Fil flows extremely well and presumably gets into all sorts of accessory anatomy due to its great viscosity."

"One-Fil has very forgiving handling for any clinicians wanting to try a bioceramic sealer for the first time."

"It cleans up really easily."

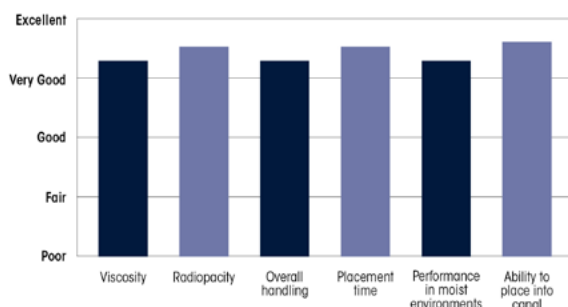
"Its viscosity is a bit more fluid that may allow more extravasation."

Consultants who would
want to stock in office:

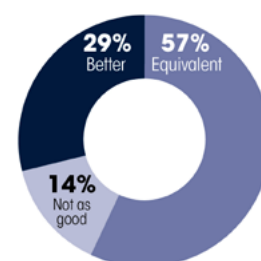
50% Yes, in addition to
current product

29% Yes, instead of
current product

Evaluation Summary:



Compared to Competitive Products:



NOTE: Background information from the evaluation on this page is provided for internal use only and will not appear in the final report.

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What brand(s) of root canal sealant do you currently use?

- Kerr Tubli-Seal
- AH Plus
- EndoSequence® BC Sealer
- EndoSequence Bioceramic Sealer
- Engineered Endo
- BioSeal
- Kerr
- Ribbond
- Brasseler Sealer
- AH-26
- Zen Seal
- Edge Bioceramic Sealer
- Brasseler EndoSequence BC Sealer
- Roth Sealer

Is One-Fil a product you would want to incorporate into your office?	
Answer Choices	Responses
Yes, purchase to replace current product(s)	29%
Yes, purchase as an adjunct to your current product(s)	50%
Not interested in purchasing	21%

What did you like best about One-Fil?

- Ease of use
- Good flowability; easy to place with a well-designed dispensing tip
- Easy to dispense and work with
- Consistent flow and handling characteristics
- Smooth texture that dispenses easily
- Controlled extrusion; material does not dispense too quickly
- Good handling and radiopacity
- Easy to use with sound supporting research
- Did not require modification of my technique to evaluate the product
- Appears to set faster than other sealers based on bench-top testing
- Handling was very good
- One-Fil flows extremely well and likely penetrates accessory anatomy due to its favorable viscosity
- Easy-to-use dispenser

What did you like least about One-Fil?

- Slightly more flowable than preferred; better suited for apical delta cases, but increased risk of sealer puffs
- Viscosity is more fluid, which may allow greater extravasation
- I wish the material were slightly less viscous
- Included tips waste some material, which is a concern given the cost of bioceramic sealers
- The material was too runny; viscosity felt off and resulted in larger sealer puffs than normal, which I did not prefer

What clinical tips do you have for colleagues when using One-Fil?

- Ensure the canal is wide enough to accommodate the delivery tip
- Thoroughly dry the canal prior to placement
- Handling is similar to other sealers but slightly more runny
- Some clinicians prefer not to use the supplied tip and instead place sealer on a gloved finger
- Bleed the syringe before inserting into the canal
- Use extreme caution when filling with the supplied tip; One-Fil flows very easily and can be overfilled quickly
- Apply light pressure when dispensing and closely monitor the amount expressed
- Dispense slowly to avoid overfilling
- Use less material and ensure excellent cone fit to minimize excessive sealer puffs
- Avoid applying force during placement due to the material's fluidity
- After shaping, irrigating, and confirming master cone fit, gently place gutta-percha; pumping is unnecessary
- Express slowly from the syringe, as it is easy to unintentionally fill the pulp chamber when transitioning from thicker bioceramic sealers

What recommendations would you suggest to the manufacturer to improve One-Fil?

- Offer thinner delivery tips
- Consider a larger package size
- Add measurement markings on the syringe to better track material extrusion
- Develop a slightly less flowable (more viscous) formulation
- A modest increase in viscosity would improve control; current flow limits use for root repair or similar indications
- Improve overall packaging aesthetics
- Incorporate a syringe tip design that reduces material waste
- Reduce runniness to improve handling and minimize excess extrusion

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Which, if any, clinical situations did you feel One-Fil was especially helpful or stood out?

- Curved canals
- Teeth with extensive periapical infections
- General root canal sealer applications
- Effective flow into accessory and lateral canals
- Root canal obturation in molars
- Applicable for virtually any root canal case
- Easy to use with very good handling characteristics
- Comparable performance to other sealers
- Excellent filling of lateral canals
- In tight and/or curved canals, gutta-percha cones reached working length with minimal resistance compared to other bioceramic sealers
- Cleans up easily from the pulp chamber, reducing the risk of adhesive contamination during subsequent core bonding procedures
- Long, thin, and bendable applicator tips allowed access to hard-to-reach canals and challenging access cavities, particularly in second molars

Explain:

- On first use, too much was extruded into the canal and through the apex.
- I combined One-Fil with gutta core heated gutta percha. the gutta core pushed a lot of sealer out the apex and I had a fairly large sealer puff. Much larger than I am usually comfortable with

Did you experience any problems during the evaluation?

Answer Choices	Responses
Yes	14%
No	86%

Final comments on One-Fil

- Good material
- Feels a little more runny than I am used to
- I like this product and will be using it in my practice
- Great product, can't wait to see how the cases look in six months
- Nice product with no adverse reactions, even in cases with overfill
- I really liked it
- Pretty good overall
- I had to retreat one case due to a flare-up, when the tooth was reopened about three weeks later, the texture appeared gritty, which made me question how it had set
- Nice product
- Good product, I would use it again
- One-Fil has very forgiving handling, especially for clinicians new to bioceramic sealers
- A decent product, with improved viscosity, it could be a great product