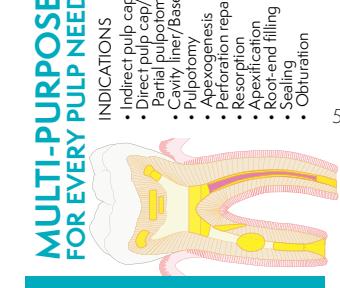


# Avalon Biomed NeoMTA 2 Root & Pulp Treatment Material

**MULTI-PURPOSE  
FOR EVERY PULP NEED**



## Non-Staining BIOACTIVE Bioceramic



## ROOT & PULP TREATMENT MATERIAL

Does not discolor teeth  
For Professional Dental Use Only  
Go to [avalonbiomed.com](http://avalonbiomed.com) for:  
- Safety Data Sheet  
- Frequently Asked Questions  
- Videos

## INSTRUCTIONS FOR USE

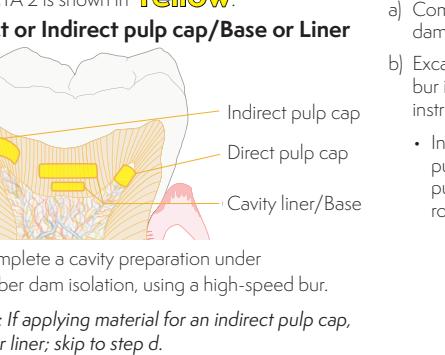
### Root and Pulp Treatment Material

#### STEP-BY-STEP MIXING INSTRUCTIONS

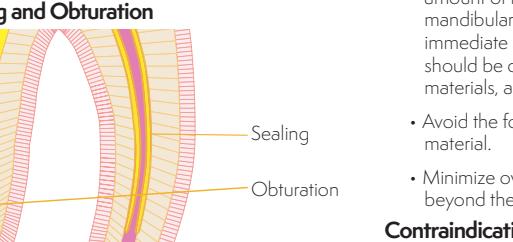
- Dispense 1 scoop ( $\approx 0.1$  gm) of NeoMTA 2 Powder on a glass slab.
- Dispense one or two drops of NeoMTA 2 Gel next to the Powder.
- Gradually add as much Gel as necessary into the Powder to achieve the desired consistency.
- Incorporate the Gel by spatulating the Powder/Gel mixture firmly against the glass slab to ensure all of the Powder is thoroughly wetted by the Gel.
- Consistency for:

  - All procedures other than sealing - firm putty or thinner, if desired.
  - Sealing - syrupy, stringy mixture.
  - If the material is not to be used immediately, cover the mixed material with a gauze sponge moistened with sterile water, or a clean cover to reduce evaporation. If the mixture becomes dry, extra Gel may be used to rewet the material before it sets.
  - If the mixture is too tacky, add a small amount of Powder- less than  $\frac{1}{2}$  scoop. For future mixtures, use less Gel. Alternatively, spread out mixture to a thin layer on the glass slab to allow some drying. Then use the edge of a metal spatula to gather the material into a putty or other desired consistency.

#### CLINICAL DIRECTIONS FOR USE



#### Detailed clinical directions for use continued



- Debride, clean and shape the root canal system using intra-canal instruments under rubber dam isolation.
- Rinse the root canal using sodium hypochlorite (1.25 to 6.0%).
- Remove the smear layer with, for instance, EDTA (15-17%) for 60 sec.
- If desired, perform a final disinfection with, for instance, 2% chlorhexidine rinse for 60 sec.
- Dry the canal system with paper points.

#### For Sealing with Endodontic Points:

- Mix the NeoMTA 2 material to a syrupy, stringy consistency.
- Apply a light coating of NeoMTA 2 material on disinfected and dried obturation points and insert them into the canal.
- Confirm placement of the material in the complete root canal system with a radiograph.
- For Complete Obturation:

  - Gently compact the NeoMTA 2 material into the canals and confirm placement with a radiograph.
  - NOT: For removal of Root Canal Fillings-If NeoMTA 2 products are provided in clean non-sterile packaging. Clinician should follow their established protocols for cleaning and disinfection, use ultrasonic instruments.

- In single-rooted teeth, remove the pulp to the level of the cemento-enamel junction or slightly below.
- Control hemorrhage using a solution of your choice (e.g. sterile saline, sodium hypochlorite (1.25-6.0%) or chlorhexidine). If hemorrhage is still present after 10 minutes, the diagnosis is irreversible pulpitis and vital pulp therapy using MTA may not be indicated.

- Use applicator of your choice to apply mixed NeoMTA 2 material on the exposed pulp or the floor of the cavity preparation, maintaining a minimum thickness of 1.5 mm.
- Excess material may be removed using a cotton pellet slightly dampened with sterile water or saline.
- Gradually add as much Gel as necessary into the Powder to achieve the desired consistency.

Incorporate the Gel by spatulating the Powder/Gel mixture firmly against the glass slab to ensure all of the Powder is thoroughly wetted by the Gel.

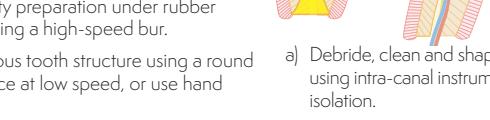
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If the mixture is too tacky, add a small amount of Powder- less than  $\frac{1}{2}$  scoop. For future mixtures, use less Gel. Alternatively, spread out mixture to a thin layer on the glass slab to allow some drying. Then use the edge of a metal spatula to gather the material into a putty or other desired consistency.

#### Pulpotomy and Apexogenesis



- Complete a cavity preparation under rubber dam isolation, using a high-speed bur.
- Excavate all carious tooth structure using a round bur in a handpiece at low speed, or use hand instruments.
- In multi-rooted teeth, remove the roof of the pulp chamber and all remnants of coronal pulp tissue to the level of the orifice of each root canal.

- Complete a cavity preparation under rubber dam isolation, using a high-speed bur.
- Excavate all carious tooth structure using a round bur in a handpiece at low speed, or use hand instruments.
- In multi-rooted teeth, remove the roof of the pulp chamber and all remnants of coronal pulp tissue to the level of the orifice of each root canal.

#### For Perforation Repair or Resorption:

- Isolate the defect site(s).
- Obturate the canal space apical to the defect.
- Dispense NeoMTA 2 material into the defect site with an instrument of clinician's choice.

#### See: [www.cdc.gov/infectioncontrol/pdf/guidelines/disinfection-guidelines-H.pdf](http://cdc.gov/infectioncontrol/pdf/guidelines/disinfection-guidelines-H.pdf)

- Do not overfill the root canals! When a large amount of material is overfilled in the mandibular canal (inferior alveolar canal), immediate surgical removal of the material should be considered, as with all root canal materials, according to state-of-the-art policy.
- Avoid the formation of air bubbles in the material.
- Minimize overextension of the material beyond the apex.

#### Contraindications

- Hypersensitivity against caustic (high pH solutions).
- Do not use for primary tooth pulpectomy (obturation/root canal filling) unless the permanent successor tooth is absent.
- Rinse the root canal using sodium hypochlorite (1.25 to 6.0%).

- Remove the smear layer with, for instance, EDTA (15-17%) for 60 sec.

- If desired, perform a final disinfection with, for instance, 2% chlorhexidine rinse for 60 sec.

- Dry the canal system with paper points.

#### For Sealing with Endodontic Points:

- Mix the NeoMTA 2 material to a syrupy, stringy consistency.
- Apply a light coating of NeoMTA 2 material on disinfected and dried obturation points and insert them into the canal.
- Confirm placement of the material in the complete root canal system with a radiograph.
- For Complete Obturation:

  - Gently compact the NeoMTA 2 material into the canals and confirm placement with a radiograph.
  - NOT: For removal of Root Canal Fillings-If NeoMTA 2 products are provided in clean non-sterile packaging, the root canal fillings can be removed using standard mechanical techniques for the removal of gutta-percha. If only NeoMTA 2 material is used for obturation, use ultrasonic instruments.

- Gently compact NeoMTA 2 material using a small amalgam plunger, cotton pellets or paper points.
- Confirm placement with a radiograph.

- Control hemorrhage using a solution of your choice (e.g. sterile saline, sodium hypochlorite (1.25-6.0%) or chlorhexidine). If hemorrhage is still present after 10 minutes, the diagnosis is irreversible pulpitis and vital pulp therapy using MTA may not be indicated.

- Excess material may be removed using a cotton pellet slightly dampened with sterile water or saline.
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If the mixture is too tacky, add a small amount of Powder- less than  $\frac{1}{2}$  scoop. For future mixtures, use less Gel. Alternatively, spread out mixture to a thin layer on the glass slab to allow some drying. Then use the edge of a metal spatula to gather the material into a putty or other desired consistency.

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- Overlaid rester kan fernes ved hjælp af hornul med steril vann eller saltvannsløsning.
- Før NeoMTA 2 kan være velsed ved først påføring. For å sikre effekten, skal man unndkomme behandling ved hjælp av en ørteplante, som er et sterkt konsentrert ekstrakt.

- Kontroll hemmende ved tørring. Etter tørring kan NeoMTA 2 ikke benyttes.
- Utløftet kanal med et rør, men bør ikke benyttes til å skade kanalen.
- Ett ørteplante kan benyttes ved tørring.
- Om NeoMTA 2 er benyttet ved tørring, kan det ikke benyttes.
- Tørring av et rør, men ikke ved hjælp av et rør.
- Etter tørring kan NeoMTA 2 ikke benyttes.

- Excess material may be removed using a cotton pellet slightly dampened with sterile water or saline.
- When the NeoMTA 2 material is firm (a few minutes), obturate the remaining canal space and close the coronal access with a temporary filling.

#### For Root Apexification:

- Dry the canal system with paper points, being careful not to extend the points beyond a wide-open apex.

#### For Root Apexification:

- Gently compact NeoMTA 2 in the apical region, to create a 3 to 5 mm apical barrier.

- Excess material may be removed using a cotton pellet slightly dampened with sterile water or saline.

#### For Root End Filling:

- Overlaid rester kan fernes ved hjælp af hornul med steril vann eller saltvannsløsning.

- Ett ørteplante kan benyttes ved tørring.

- Etter tørring kan NeoMTA 2 ikke benyttes.

- Excess material may be removed using a cotton pellet slightly dampened with sterile water or saline.

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