



FAQ – NeoMTA Plus® or Grey MTA Plus® Root & Pulp Treatment Materials

CHOOSING A PRODUCT

NeoMTA Plus vs. Grey MTA Plus	<p>NeoMTA Plus & Grey MTA Plus have the same indications for use in pulpal or periradicular tissue contact. Both products are based on the same bioceramic cement. NeoMTA Plus is a light-colored, non-staining MTA bioceramic.</p> <p>Grey MTA Plus bioceramic has a silvery color, and is 0.5 mm aluminum more radiopaque than NeoMTA Plus (per ISO 13116 test at 1 mm thick). Grey MTA Plus costs less per dose than NeoMTA Plus, but may discolor. The discoloration is only esthetic, not functional, but may be noticed if used coronally.</p>
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DOSE INFORMATION

Doses per Kit Size	<p>The estimated doses are as follows:</p> <table border="1" data-bbox="389 703 990 871"> <thead> <tr> <th><u>Kit Size</u></th> <th><u>Doses</u></th> <th></th> </tr> </thead> <tbody> <tr> <td>0.5 gm</td> <td>5</td> <td>NeoMTA Plus only</td> </tr> <tr> <td>1.0 gm</td> <td>10</td> <td>Grey & NeoMTA Plus</td> </tr> <tr> <td>2.5 gm</td> <td>25</td> <td>Grey & NeoMTA Plus</td> </tr> </tbody> </table> <p>The amount of gel in each kit is approximately 2x the amount needed.</p>	<u>Kit Size</u>	<u>Doses</u>		0.5 gm	5	NeoMTA Plus only	1.0 gm	10	Grey & NeoMTA Plus	2.5 gm	25	Grey & NeoMTA Plus
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0.5 gm	5	NeoMTA Plus only											
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Powder Scoop Size	A level powder scoop holds 0.1 gm, which is enough for most procedures.												

PREPARING FOR USE AND MIXING

Instructions for Use (IFU) & Tip Sheet	Read IFU prior to use. To obtain, visit avalonbiomed.com .						
Mixing Instrument	Use the spatula sold by Avalon Biomed or a fairly stiff metal spatula. Metal spatulas are preferred over plastic spatulas because they allow easy mixing and fast incorporation of the powder and gel.						
Mixing Surface	<ul style="list-style-type: none"> • Glass slabs are recommended for ease in spatulating the cement. • A high-quality mixing pad may be used, if it does not absorb water. 						
Mixing Ratio <u>powder:gel</u>	<ul style="list-style-type: none"> • The ratio of powder to gel can be varied for a procedure and application technique. • Dispense one scoop of powder. Gradually add gel into powder while mixing. <table border="1" data-bbox="349 1470 1356 1585"> <thead> <tr> <th><u>Procedure</u></th> <th><u>Approximate Gel Amount</u></th> </tr> </thead> <tbody> <tr> <td>Root-end filling or perforation repair (putty-like)</td> <td>1 drop gel or less</td> </tr> <tr> <td>Sealer consistency (thin)</td> <td>2 drops gel or less</td> </tr> </tbody> </table> <ul style="list-style-type: none"> • The ratio of powder to gel should be adjusted to meet clinician's preference. 	<u>Procedure</u>	<u>Approximate Gel Amount</u>	Root-end filling or perforation repair (putty-like)	1 drop gel or less	Sealer consistency (thin)	2 drops gel or less
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Root-end filling or perforation repair (putty-like)	1 drop gel or less						
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Mixing Technique	<ol style="list-style-type: none"> 1) Dispense one 0.1 gm scoop of powder onto a glass slab. 2) Dispense 1 drop of MTA Plus gel onto the glass slab separate from the powder. 3) Gradually incorporate a small amount of gel into the powder, mixing thoroughly. 4) Continue to add gel, mixing thoroughly until desired consistency is achieved. Watch Mixing Technique videos at avalonbiomed.com 						



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MIXTURE ADJUSTMENTS

Mixture - Dried out	<ul style="list-style-type: none"> Add gel gradually to break up the matrix to achieve desired consistency. This method works well within the first ½ hour after mixing. Alternatively, cover the matrix with a moist gauze “tent” or a dampen dish to reduce drying after mixing, but before use.
Mixture - Sticky	<ul style="list-style-type: none"> Gradually add a small amount of powder (less than 1 scoop). To prevent a sticky mixture, use less gel or more powder. Make sure to gradually add gel when mixing.

APPLICATION & SETTING TIME; CORONAL COVERING

Application Instruments	<ul style="list-style-type: none"> The gel/powder mixture makes delivery easy, so any preferred instrument, even a “plastics” instrument, may be used to deliver a small amount to the procedural site. Alternatively, use an instrument such as a Vista™ Disposable MTA Carrier, Messing gun, amalgam carrier, Dovgan MTA carrier, or the MAP™ system. For thinner mixtures, a Dycal® instrument can be used. For sealer, coat guttapercha point with product after mixing. A paper point or lentulo spiral can be used to place the sealer on the walls of the canal.
Composite or Glass Ionomer Use	<ul style="list-style-type: none"> After MTA Plus is placed, a glass ionomer, resin-modified glass ionomer, or a flowable composite may be applied coronally and cured. When a composite is placed, etch and prime the tooth, not the MTA Plus. Proceed with bonding the composite on top of the cement.
Setting Time	<ul style="list-style-type: none"> The proprietary gel enables washout resistance about 3 minutes after mixing has begun. A procedure can be continued and completed after the material is placed. A thick mixture takes about 15 minutes to set within the tooth. A thinner, sealer-type mixture will set in about 3 hours.

CLEAN UP & STORAGE

Clean up (after cement is set)	Soak the glass slab or instrument in vinegar or water until the cement softens.
Refrigeration	Refrigeration does not extend the shelf life, and the humidity in the refrigerator may deteriorate the powder. The product bottles may be stored within the kit box at room temperature.
Shelf Life	<ul style="list-style-type: none"> The products have a 3-year shelf life. Do not leave the powder or gel containers open. The powder can absorb humidity, which reduces shelf life by increasing set time and reducing the compressive strength. Over years, the gel will become too thin to be satisfactory.

OTHER

Light-Curing MTA	<ul style="list-style-type: none"> Avalon Biomed does not manufacture a light-curing MTA. Light-curable MTAs have less than 50% MTA. We prefer not to dilute the bioactivity and we want to ensure the powder is hydrated to release Ca(OH)₂.
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Avalon Biomed | 3315 West 12th Street | Houston, TX 77008
 941-896-9948 | (Toll Free) 844-682-7587
avalonbiomed.com