

Medi X-TABB™ Base FAQs

1) What baking parameters are needed when using Medi X-TABB™ Base?

If using the ProFiller RDT mold (metal, Teflon-coated mold), the convection oven should be set to 105-110°C. Once the temperature has been attained in the oven, the compressed tablets will be placed in the oven for 10 to 15 minutes depending on the oven and formula. It is recommended to start on the lower range of the temperature and time and increase if needed.

If using the Medi-RDT™ mold (heat-resistant polymer mold), the convection oven should be set to 90-95°C. Once the temperature has been attained in the oven, the compressed tablets will be placed in the oven for 15 to 20 minutes depending on the oven and formula. It is recommended to start on the lower range of the temperature and time and increase if needed.

2) Do I apply the same amount of force when compressing my powder?

If using the ProFiller RDT mold (metal, Teflon-coated mold), the compression process will be similar to when using Medi-RDT™ Base. You can apply firm even pressure on the tamper plate to compress the powder into the cavities.

If using a Medi-RDT™ mold (heat-resistant polymer mold), you can apply less pressure when using Medi X-TABB™ Base than you would when using Medi-RDT™ Base.

3) Can I use the same amount of Medi X-TABB™ Base as I used for Medi-RDT™ Base to compound my tablets?

No. As the densities of both bases vary, you will need to determine the required quantity of Medi X-TABB™ Base by performing mold calibration step.

4) What is the average weight of blank tablets when using Medi X-TABB™ Base?

- The average blank weight of the tablets will depend on the mold being utilized.
 - If using ProFiller RDT mold (metal, Teflon-coated mold), the average weight of a blank tablet with Medi X-TABB™ Base is 750 mg +/- 20 mg
 - If using the Medi-RDT™ mold (heat-resistant polymer mold), the average weight of a blank tablet with Medi X-TABB™ Base is 720 mg +/- 20 mg

5) Is the compatibility of Medi X-TABB™ Base similar to Medi-RDT™ Base?

While the compatibility overall of both bases should be similar, some differences may exist. It is important to keep in mind and Medi X-TABB™ Base contains Bitter-Bloc™ Technology; therefore, you may not need to use additional bitterness reducing agents when working with Medi X-TABB™ Base.

Medi X-TABB™ Base Comparison Chart

Medi-RDT™ Base
Product No. 2772



Medi X-TABB™ Base
Product No. 3249



<p>Appearance: White, finely granulated powder</p>	<p>Appearance: White, fine powder</p>
<p>MFG: Co-processed (specially processed)</p>	<p>MFG: Dry blending only</p>
<p>Sugar-free, sweetened (sucralose)</p>	<ul style="list-style-type: none"> • Sugar-free, naturally sweetened (stevia) • Bitter reducing agent included
<p>Free of preservatives and dyes</p>	<p>Free of preservatives and dyes</p>
<p>Melting range: 120-140°C</p>	<p>Melting range: 55-60°C</p>
<p>Storage/Shipping: Room temperature</p>	<p>Storage/Shipping: Ambient temperature in summer</p>
<p>pH (10%) 5-7</p>	<p>pH (10%) 3-5</p>
<p>Bulk Density: 0.55-0.70 g/mL</p>	<p>Bulk Density: 0.53-0.70 g/mL</p>
<p>Compressed Density: 0.7-0.85 g/mL (Average - 0.775 g/mL)</p>	<p>Compressed Density: 0.785-0.815 g/mL (Average - 0.8 g/mL)</p>
<p>Compatible with a wide range of APIs</p>	<p>Compatible with a wide range of APIs</p>
<p>Allows for maximum extended BUDs as per USP <795></p>	<p>Allows for maximum extended BUDs as per USP <795></p>
<p>Tablet Preparation/Baking Time:</p> <ul style="list-style-type: none"> • ProFiller RDT mold (metal, teflon-coated mold): Bake at 110°C for 10-15 mins • Medi-RDT™ mold (heat-resistant polymer mold): Bake at 100°C for 15-20 mins 	<p>Tablet Preparation/Baking Time:</p> <ul style="list-style-type: none"> • ProFiller RDT mold (metal, teflon-coated mold): Bake at 110°C for 10-15 mins • Medi-RDT™ mold (heat-resistant polymer mold): Bake at 90°C for 15-20 mins
<p><i>In-Vitro</i> study performed to evaluate RDT properties with EU guidelines</p>	<p><i>In-Vitro</i> study not available</p>