

Rapid Dissolve Tablets



Powder Bases for Compounding Rapid Dissolve Tablets

RDT-Plus™ PCCA #30-4960

Rapid Dissolve Tablet Powder™ PCCA #30-3269

EXCLUSIVE

Easy to Make, Easy to Take

Rapid Dissolve Tablets (RDTs) are an innovative, versatile dosage form that quickly melts in the mouth, allowing the API to be released surrounded by a sweet, flavored powder. They offer patients a customizable, portable and easy-to-use option for medications. RDTs are anhydrous, providing extended stability, and can allow compounders to incorporate drugs that are not stable in an aqueous liquid form. They can be taken orally without the need for water, or held in the mouth for buccal/sublingual absorption, and they dissolve quickly. Therefore, RDTs can be the perfect solution for patients with otherwise limited dosing options.

BENEFITS

- **Quick dissolving:** The fast-melting base allows the medication to be taken quickly and easily. Rapid absorption is favorable in many conditions
 - **Great tasting:** The sweet, flavored powder base melts along with the active ingredients, helping to mask the taste of bitter drugs
 - **Versatile:** They can be used as an oral or sublingual dosage form, and there is a sugar-free base option (RDT-Plus)
 - **Very stable:** They are an anhydrous dosage form, allowing incorporation of drugs that are unstable in aqueous liquid form, and allowing 180-day beyond-use dates (BUDs) according to USP guidelines
 - **Convenient:** This small, portable dosage form makes it great to carry in a pocket, purse or backpack without the inconveniences of a liquid dosage form
 - **Prevent cheeking:** This fast-melting dosage form prevents hiding the medication in the mouth
- Acetaminophen
 - Anastrozole
 - Atropine sulfate
 - Buprenorphine HCl
 - Betahistine Dihydrochloride
 - Clonazepam
 - Clonidine HCl
 - Dehydroepiandrosterone (DHEA)
 - Diazepam
 - Diphenhydramine HCl
 - Estradiol
 - Estriol
 - Fluoxetine HCl
 - Gabapentin
 - Glycopyrrolate
 - Guaifenesin
 - Haloperidol
 - Hydrocortisone
 - Ibuprofen
 - Ketamine HCl
 - Lorazepam
 - Methimazole
 - Methylcobalamin
 - Methylphenidate HCl
 - Midazolam
 - Morphine sulfate
 - Oxycodone HCl
 - Prednisolone sodium phosphate
 - Progesterone
 - Testosterone

RELATED SPECIALTIES

- Hospice
- Oncology
- Pediatrics
- Internal medicine
- Family practice
- Correctional facilities
- Mental health facilities
- Hormone replacement

Continued on the next page

USA: 800.331.2498 pccarx.com | Canada: 800.668.9453 pccarx.ca | Australia: 02.9316.1500 pccarx.com.au | UK: 0800.038.5095 pccarx.co.uk



© 2023 PCCA. All Rights Reserved.

Rapid Dissolve Tablets



OUR RDT BASE OPTIONS

RDT-Plus™ PCCA #30-4960

BENEFITS

- **Sugar-free:** Formulated without sugar and artificial sweeteners, alleviating certain dietary concerns
- **Quick baking:** Can bake tablets at 110° C for 15 minutes
- **Low baking-temperature option:** Can bake tablets with heat-sensitive APIs at 80° C for 30 minutes*

FORMULATED WITHOUT (RDT-PLUS)

- Artificial sweeteners
- Casein
- Dairy
- Dyes
- Gluten
- Soy
- Sugar

GENERAL FORMULA EXAMPLES

- **PCCA Formula #12733**
Rapid Dissolve Tablet (RDT-Plus), General Formula
- **PCCA Formula #12734**
Rapid Dissolve Tablet (RDT-Plus), General Formula (SF)
- **PCCA Formula #12735**
Rapid Dissolve Tablet (RDT-Plus), General Formula, Alternate
- **PCCA Formula #14094**
Rapid Dissolve Tablet (RDT-Plus) Mini Mold, General Formula

Rapid Dissolve Tablet Powder™ PCCA #30-3269

BENEFITS

- **Simple and effective:** Smooth texture that provides fast dissolution
- **Easy baking:** Bake tablets at 110° C for 30 minutes

GENERAL FORMULA EXAMPLES

- **PCCA Formula #5797**
Rapid Dissolve Tablet (RDT), General Formula
- **PCCA Formula #7658**
Rapid Dissolve Tablet (RDT) General Formula, Alternate
- **PCCA Formula #14096**
Rapid Dissolve Tablet (RDT) Mini Mold, General Formula



Continued on the next page

Rapid Dissolve Tablets



Rapid Dissolve Tablet Molds

RDT MOLD **PCCA #35-3791** (96 Count)

RDT MINI MOLD **PCCA #35-5807** (100 Count)

The **Rapid Dissolve Tablet Molds** are coated with Teflon® and extremely durable, with options to compound 96 or 100 RDTs. The mold plates contain cavities where the RDTs are packed and then compressed using the tamper plate. The tablets are then baked in a **convection oven** (PCCA #35-2399 or #35-5269) at 110° C for 15 or 30 minutes, depending on the base used. Wash the mold using a sponge with hot, soapy water after use. Do not place in the dishwasher. Treat this mold as you would any Teflon-coated kitchen bakeware.

MOLD SPECIFICATIONS

- **Baking Temperature:** $\leq 110^{\circ}\text{C}$
- Not dishwasher-safe

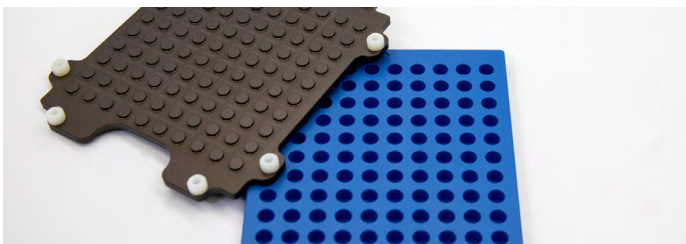
RDT Mold (96 Count)

- **Tablet Dimensions:** $\frac{1}{2}$ " W x $\frac{1}{4}$ " H
- **Mold Dimensions:** 12" L x $8\frac{3}{8}$ " W x $\frac{1}{2}$ " D (bottom plate only)



RDT Mini Mold (100 Count)

- **Tablet Dimensions:** .315" W x .260" H
- **Mini Mold Dimensions:** $5\frac{3}{4}$ " L x $5\frac{3}{8}$ " W x $\frac{3}{8}$ " D (bottom plate only)



DISPENSING RDTs

The tablets are dispensed in **amber round blister packs** (PCCA #35-2512), covered with an **adhesive label** (PCCA #35-2671) and placed into **sleeves** (PCCA #35-2129). The appropriate dispensing label is then affixed to the sleeve.



ALSO AVAILABLE

PCCA Sweetened Flavor Powder Bases

- These already include sweeteners and are ready to be added to a variety of dosage forms
- Perfect for using with RDT Powder and RDT-Plus (will no longer be an SF option) to provide formulations with better palatability
- Available in mango (**PCCA #30-3717**) and tangerine (**PCCA #30-3715**)

Continued on the next page

Rapid Dissolve Tablets



RDT COMPOUNDING CHECKLIST

- RDT-Plus**
PCCA #30-4960
- Rapid Dissolve Tablet Powder**
PCCA #30-3269
- Powdered Flavor (Various)****
 - Raspberry, Artificial – PCCA #30-3272
 - Tangerine – PCCA #50-4676
 - Apple – PCCA #30-3411
 - Mango, Natural – PCCA #30-3660
- Flavor Oils (Various)**
 - Tangerine Oil, Natural – PCCA #30-2155
 - Cherry, Artificial Liquid, Oil Miscible – PCCA #30-4314
 - Lime Oil, Natural – PCCA #30-2157
 - Peppermint Oil NF – PCCA #30-3462
- Sweetened Flavor Powder**
 - Mango – PCCA #30-3717
 - Tangerine – PCCA #30-3715
- Sweeteners**
 - Steviol Glycosides 95% – PCCA #30-4539
 - Acesulfame Potassium FCC – PCCA #30-4398
- Rapid Dissolve Tablet Mold**
 - PCCA #35-3791
 - PCCA #35-5807 (Mini Mold)
- Convection Oven**
 - PCCA #35-5269
 - PCCA #35-2399
- Spatula and Scrapers**
 - Small 9" Rubber Spatula – PCCA #35-2088
 - Powder Scraper – PCCA #35-1351
 - Mortar Scraper – PCCA #35-1631
- Blister Packs**
 - PCCA #35-2512
- Blister Pack Adhesive Labels**
 - PCCA #35-2671
- Blister Pack Sleeves**
 - PCCA #35-2129

NOTES

* It is important for the compounder to be familiar with melting points and degradation temperatures of relevant APIs before preparing RDTs. A good reference for this is the Merck Index or the Merck Index Online (<https://www.rsc.org/merck-index>).

** Some flavor powders may contain trace amounts of sugar; therefore, these are not recommended when preparing a sugar-free (SF) dosage form.

PLEASE NOTE

The formulas and/or statements listed are provided for educational purposes only. They are compounding ideas that have commonly been requested by physicians, and have not been evaluated by the Food and Drug Administration. Formulas and/or material listed are not to be interpreted as a promise, guarantee or claim of therapeutic efficacy or safety. The information contained herein is not intended to replace or substitute for conventional medical care, or encourage its abandonment. Every patient is unique, and formulas should be adjusted to meet their individual needs.

USA: 800.331.2498 pccarx.com | Canada: 800.668.9453 pccarx.ca | Australia: 02.9316.1500 pccarx.com.au | UK: 0800.038.5095 pccarx.co.uk

