

For life science research only.
Not for use in diagnostic procedures.



cOmplete ULTRA Tablets, Mini, EDTA-free, *EASY*pack Protease Inhibitor Cocktail Tablets in foil blister packs

 **Version: 08**

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For the inhibition of proteases during cell extraction and in lysates from mammalian, bacterial, yeast, or plant cells

Cat. No. 05 892 791 001 30 tablets
for 10 ml each

Store product at +2 to +8°C.

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1. General Information

1.1. Contents

Package	Label	Function / Description	Content
1	cOplete ULTRA Tablets, Mini, EDTA-free	Each tablet is sufficient for a volume of 10 ml extraction solution.	30 foil blister packs, 1 tablet each

1.2. Storage and Stability

Storage Conditions (Product)

When stored at +2 to +8°C, the product is stable through the expiration date printed on the label.

Package	Label	Storage
1	cOplete ULTRA Tablets, Mini, EDTA-free	Store dry at +2 to +8°C.

Storage Conditions (Working Solution)

Store stock solution at +2 to +8°C for 4 weeks or –15 to –25°C for at least 4 weeks.

⚠ During storage of the 2x stock solution, the particles can sediment. Briefly vortex the stock solution prior to use.

1.3. Application

cOplete ULTRA Tablets, Mini, EDTA-free effectively inhibit a broad range of proteases (serine, cysteine, and aspartic) to protect target proteins and to preserve their full length and structure. In contrast to cOplete ULTRA Tablets, Mini*, these tablets do not contain EDTA or other chelating agents, leaving the stability and function of metal-dependent proteins unaffected.

During cell lysis and purification, target proteins are at risk of being cleaved by proteases, which are naturally present in cells. With 7 powerful protease inhibitors, cOplete Ultra Tablets, Mini, EDTA-free have been optimized for lysates from:

- Yeast
- Bacteria
- Plants
- Mammalian cell extracts, such as HEK-293 and CHO

cOplete ULTRA Tablets, Mini, EDTA-free contain both irreversible and reversible inhibitors, therefore add cOplete to all stock buffers and solutions normally protected with protease inhibitors, and not only during the initial purification steps.

i *Metalloproteases are not inhibited.*

2. How to Use this Product

2.1. Before you Begin

Safety Information

Do not eat the tablets.

⚠ *Always wear gloves.*

Working Solution

⚠ *Carefully push the tablet through the foil packaging using the base of your thumb (not fingernail) to prevent the breakage of tablets.*

Direct use with lysates

One cOplete ULTRA Tablet, Mini, EDTA-free is sufficient for the inhibition of the proteolytic activity in 10 ml extraction solution. When very high proteolytic activity is present, 2 tablets may be used in 10 ml of extraction solution.

i *Tablets can be added directly to the extraction medium.*

Preparation of a 2x-concentrated stock solution

Alternatively to the **Direct use with lysates** method, a 2x-concentrated stock solution can be prepared.

- 1** Add one cOplete ULTRA Tablet, Mini, EDTA-free to 5 ml double-distilled water in a PE or PP tube.
- 2** Vortex 3 minutes until the tablet is dissolved.
 - i** *The stock solution is ready to use even if there are very fine particles still visible in solution. These particles do not interfere with the inhibition performance of the tablets.*

2.2. Parameters

Working Concentration

1 tablet per 10 ml extraction solution.

3. Additional Information on this Product

3.1. Quality Control

The inhibitory activity of each lot is tested using a concentrated pancreas extract, as well as with Proteinase K, Trypsin, Papain, and Thermolysin (a metalloprotease which is not inhibited). Inhibitory effects are measured after one hour of incubation using Universal Protease Substrate, Casein, resorufin-labeled*.

4. Supplementary Information


4.1. Conventions

To make information consistent and easier to read, the following text conventions and symbols are used in this document to highlight important information:

Text convention and symbols

 *Information Note: Additional information about the current topic or procedure.*

 **Important Note: Information critical to the success of the current procedure or use of the product.**

   etc. Stages in a process that usually occur in the order listed.

   etc. Steps in a procedure that must be performed in the order listed.

* (Asterisk) The Asterisk denotes a product available from Roche Diagnostics.

4.2. Changes to previous version

Layout changes.

Editorial changes.

4.3. Ordering Information

Product	Pack Size	Cat. No.
Reagents, kits		
cOplete ULTRA Tablets, Mini, <i>EASYPack</i>	30 tablets, individually packed in foil blister packs.	05 892 970 001
Universal Protease Substrate	40 mg	11 734 334 001

4. Supplementary Information

4.4. Trademarks

All product names and trademarks are the property of their respective owners.

4.5. License Disclaimer

For patent license limitations for individual products please refer to:

List of biochemical reagent products.

4.6. Regulatory Disclaimer

For life science research only. Not for use in diagnostic procedures.

4.7. Safety Data Sheet

Please follow the instructions in the Safety Data Sheet (SDS).

4.8. Contact and Support

To ask questions, solve problems, suggest enhancements or report new applications, please visit our **Online Technical Support Site.**

To call, write, fax, or email us, visit **sigma-aldrich.com**, and select your home country. Country-specific contact information will be displayed.

