

Instructions for use



Protease Inhibitor Cocktails

| Art. No. | 3743 | 3749 | 3751 | 3755 | 3758 | 3760 |
|--------------------|--|--|---|--|--|--|
| Inhibitor Cocktail | Standard | BroadRange | Plus | Tissue | Bacteria | His-tag |
| Sipment | lyophilisiert (uncooled) | lyophilisiert (uncooled) | in 1 ml DMSO (cooled) | lyophilisiert (uncooled) | lyophilisiert (uncooled) | in 1 ml DMSO (cooled) |
| Storage | -20 °C | -20 °C | -20 °C | -20 °C | -20 °C | -20 °C |
| Dilute in | 100 ml H ₂ O dist. or extract. buffer | 1 ml H ₂ O dist. | - | 1 ml H ₂ O dist. | 1 ml DMSO + 4 ml H ₂ O dist. | - |
| Stock Solution | .* | ca. 100x | for 20 g | ca. 100x (for 2 g) | ca. 40x (for 20 g <i>E. coli</i>) | ca. 100x (for 10 g) |
| Effectual for | 100 ml extr. buffer | 1 - 2 g cells/ tissue | 20 g cells/ tissue | ca. 2 g cells/ tissue | 20 g <i>E. coli</i> | 10 g bacterial cells |
| Store Stock | 4 °C | -20 °C | -20 °C | -20 °C | -20 °C | -20 °C |
| Shelf Life | 90 days | 1 months | 6 months | 6 months | 6 months | 6 months |
| Inhibitor conc. in | 1 x solution | 1 ml stock solution | 1 ml stock solution | 1 ml stock solution | 5 ml stock solution | 1 ml stock solution |
| AEBSF | 1.67 mM | 50 mM | 100 mM | 50 mM | 20 mM | 100 mM |
| Aprotinin | - | 15 µM | 80 µM | 15 µM | - | - |
| Bestatin | - | - | 5 mM | - | 1.7 mM | 5 mM |
| E-64 | - | 100 µM | 1.5 mM | 100 µM | 200 µM | 1.5 mM |
| EDTA | 13.44 mM | 50 mM | - | - | 85 mM | - |
| Leupeptin | 2.1 µM | 100 µM | 2 mM | 100 µM | - | - |
| Pepstatin A | 1.46 µM | - | 1 mM | - | 2 mM | 0.2 mM |
| Phosphor- amidon | - | - | - | - | - | 2 mM |
| Application | Solubilisation of the cocktail directly in extraction buffer | Add 10 µl stock sol. to 1 ml extract (max. 20 mg tissue) | Add 10 µl stock sol. to 1 ml extract (max. 200 mg tissue) | Add 10 µl stock sol. to 1 ml extract (max. 20 mg tissue) | Add 25 µl stock sol. to 1 ml extract (max. 100 mg <i>E. coli</i>) | Add 10 µl stock sol. to 1 ml extract (max. 100 mg bacter.) |

* Due to solubility and high inhibitor concentrations in this cocktail, stock solutions of Inhibitor Cocktail Standard are hard to prepare. A 10x stock solution may be prepared by solubilisation in 10 ml H₂O, it is, however, not recommended.

Hazard and Precautionary Statements:

Please note safety data given on label and MSDS

| | | |
|--------------------------------------|------------------|---------------|
| Inhibitor Cocktail Standard | 1 tube, plastic. | 3743.1 |
| Inhibitor Cocktail BroadRange | 1 tube, plastic. | 3749.1 |
| Inhibitor Cocktail Plus | 1 ml, plastic. | 3751.1 |
| Inhibitor Cocktail Tissue | 1 tube, plastic. | 3755.1 |
| Inhibitor Cocktail Bacteria | 1 kit, plastic. | 3758.1 |
| Inhibitor Cocktail His-tag | 1 ml, plastic. | 3760.1 |

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The company is a limited partnership with headquarters in Karlsruhe, reg. court Mannheim HRA 100055. Roth Chemie GmbH, with headquarters in Karlsruhe, reg. court Mannheim HRB 100428, is the personally liable partner. Managing Director: André Houdelet. Sales tax identification number: DE 143621073.

