

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

Carl Roth GmbH + Co. KG

Schoemperlenstraße 3-5 • 76185 Karlsruhe

P.O. Box 100121 • 76231 Karlsruhe

Phone: +49 (0) 721/ 5606-0

Fax: +49 (0) 721/ 5606-149

info@carlroth.com • www.carlroth.com

sse 06/2021

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.

