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_2O dist. or extract. buffer	1 ml H_2O dist.	-	1 ml H_2O dist.	1 ml DMSO + 4 ml H_2O dist.	-
Stock Solution	-*	ca. 100x	for 20 g	ca. 100x (for 2 g)	ca. 40x (for 20 g *E. coli*)	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 *E. coli*	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 *E. coli*)	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 H_2O, it is, however, not recommended.

Hazard and Precautionary Statements:

Please note safety data given on label and MSDS

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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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