

Product Datasheet

Protease and Phosphatase Inhibitor Cocktail, MS-safe (10×) (orb2663276)

Catalog Number	orb2663276
Category	Small Molecules
Description	The production and breakdown of intracellular proteins is in dynamic equilibrium under stable environmental conditions and when proteins are extracted from cells and tissues in vitro, crude cell extracts contain many endogenous enzymes that are capable of degrading the target proteins, e.g. phosphatases and proteases. These enzymes are released from the cells or are activated, leading to the breakdown of the target protein and affecting the results of the analysis. Therefore, adding appropriate inhibitors of proteases, phosphatases and other enzymes to the extracts is an effective way to prevent protein degradation and de-modification. Biorbyt Protease Phosphatase Inhibitor Cocktail, with ddH₂O as solvent, is a mixture of 4 protease inhibitors and 4 phosphatase inhibitors, which can efficiently inhibit a variety of proteases including serine, cysteine proteases and aminopeptidases, as well as a variety of phosphatases including acidic, alkaline, and serine/threonine phosphatases in protein extracts. This product does not contain AEBSF, thus avoiding the mass spectrometry peak drift it may cause. Therefore, protein samples extracted with this product can be used for Mass Spectrometry (MS) detection and analysis, including proteomics. Biorbyt Protease Phosphatase Inhibitor Cocktail protects your proteins conveniently and reliably by efficiently inhibiting a wide range of proteases and phosphatases from animal, plant, bacterial, yeast, and fungal samples. It is suitable for extracting proteins from a wide range of tissues and cells to obtain target proteins more efficiently.
Storage	-20°C
Note	For research use only

Biorbyt Ltd.

7 Signet Court, Swann's Road,
Cambridge, CB5 8LA, United Kingdom
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+44 \(0\) 1223 859-353](tel:+44(0)1223859353) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)

Biorbyt LLC.

68 TW Alexander Drive,
Durham, NC, 27713, United States
Email: info@biorbyt.com, support@biorbyt.com
Phone: [+1 \(415\) 906-5211](tel:+1(415)906-5211) | Fax: [+1 \(415\) 651-8558](tel:+1(415)651-8558)