



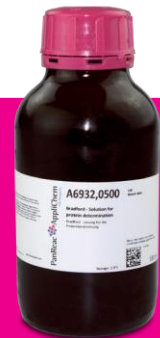
Protein purification/Inhibitors Proteomics Promotion

Protein Quantification

Bradford - Solution for protein determination

Solution for the rapid and accurate estimation of protein concentration.

The Bradford assay is very fast and uses about the same amount of protein as the Lowry assay. It is fairly accurate and samples that are out of range can be retested within minutes. The Bradford assay is recommended for general use, especially for determining protein content of cell fractions and assessing protein concentrations for gel electrophoresis.



Albumin Fraction V (pH 7.0)

Bovine serum albumin (BSA) is added as a stabilizing component for proteins / enzymes to several enzyme reaction and storage buffers.

This fraction of albumin has been manufactured by a combination of the heat-shock method and alcohol precipitation.



Description	Code	Package	Recommended list price 2017
Bradford - Solution for protein determination	2008545	500 ml	68,47 €
Albumin Fraction V (pH 7.0)	2006284	100 g	130,31 €

Protein Purification

TRItidy G™

Ready-to-use - solution for the simultaneous isolation of RNA, DNA and proteins.

TRItidy G™ is a reagent, based on the Chomczynski method, with additional modifications to improve the purity of the RNA, DNA and proteins. First, the RNA will be selectively retained in the aqueous phase during the acidic GuaSCN/Phenol extraction, while DNA and proteins stay in the organic phase and interphase, respectively. The DNA is isolated from the interphase/ organic phase by a simple ethanol precipitation and proteins from the remaining organic phase.



Description	Code	Package	Recommended list price 2017
TRItidy G™	2105716	100 ml	155,29 €
Dextran 40 BioChemica (Endotoxin free) Alternative to Sigma 31389-500G among others	2010961	500 g	134,70 €

Buffers and Reagents

Description	Application	Code	Package	Recommended list price 2017
IPTG BioChemica Alternative to Sigma I6758 among others	The most commonly used synthetic inductor of the Lac-operon is IPTG since it is both active at very low concentrations and not subject to enzymatic degradation.	2004525	25 g	336,21€
Tris ultrapure Alternative to Sigma RDD008-1KG among others	Tris is the most commonly used buffer in biological research. One of its most important applications is the use as an electrophoresis buffer.	2004961	1 Kg	67,53€
CHAPS BioChemica Alternative to Sigma C5070 and Thermo Fisher 28300 among others	The detergent CHAPS is a derivative of cholate. CHAPS allows the isolation of many proteins in their native state, without losing much of its activity.	2005040	5 g	57,64€
EDTA BioChemica Alternative to Sigma EDS among others	EDTA is a chelator of calcium, magnesium and zinc ions and therefore may inhibit metalloproteases.	2005055	1 Kg	42,98€
Tris for molecular biology Alternative to Sigma 93362 among others	As Tris Ultrapure. This quality assure Dnases/RNases/Proteases free solutions	2011064	1 Kg	91,62€



Electrophoresis

Description	Application	Code	Package	Recommended list price 2017
Acrylamide 4K - Solution (30 %) - Mix 29 : 1 Alternative to Sigma A3574 among others	For most applications in the electrophoresis of nucleic acids or proteins, polyacrylamide gels are prepared from 30 % or 40 % stock solutions with a ratio Acrylamide : Bisacrylamide of 29 : 1 or 37.5 : 1.	2004337	1 L	76,22€
Glycine for molecular biology Alternative to Sigma G8898 among others	One of the most commonly used buffer in the polyacrylamide gel electrophoresis for proteins is based on the work of Laemmli.	2004889	1 Kg	35,59€
DTT BioChemica Alternative to Sigma D9163-25G among others	Dithiothreitol (DTT) is, like β -mercaptoethanol, a reducing reagent for proteins and protects the cysteine residues against oxidation.	2005049	25 g	134,12€
β-Mercaptoethanol for molecular biology Alternative to Sigma M3148-100ML among others	β -Mercaptoethanol is used as a reducing agent to prevent the oxidation of proteins.	2005075	100 ml	20,97€
Acrylamide 4K - Solution (30 %) - Mix 37.5 : 1 Alternative to Sigma A3699 among others	For most applications in the electrophoresis of nucleic acids or proteins, polyacrylamide gels are prepared from 30 % or 40 % stock solutions with a ratio Acrylamide : Bisacrylamide of 29 : 1 or 37.5 : 1.	2007339	1 L	75,85€
SDS for molecular biology For SDS polyacrylamide gels. Alternative to Sigma L3771-1KG among others	The most used detergent for SDS-Polyacrilamide gel Electrophoresis.	2011061	500 g	190,22€
SDS BioChemica Alternative to Sigma L3771-1KG among others	The most used detergent for SDS-Polyacrilamide gel Electrophoresis.	2012297	1 Kg	144,44€



Protease Inhibitors

In biotechnology laboratories cultured cells are usually employed to over-produce proteins of interest. In the process called transfection “foreign” DNA enters the nucleus of mammalian cells. If this process took place in bacteria we call it “transformation”. After this, the cells are stimulated to produce more than the usual amount of protein of interest. These proteins are then isolated and purified.

Proteases play an important role as regulators of protein production in cells. Apart from this function, they serve to digest food and are found in high concentrations, especially in the intestinal tract. For the regulation of these proteases, inhibitors are often used. Here you can find some of our selected Protease Inhibitors.

Description	Application	Code	Package	Recommended list price 2017
PMSF BioChemica Alternative to Sigma P7626-5G among others	PMSF is an irreversible inhibitor of serin-proteases like trypsin, chymotrypsin and cysteine proteases.	2004465	5 g	26,74€
AESBF Hydrochloride BioChemica Alternative to A8456 among others	AESBF irreversibly inactivates thrombin and other serine proteases (e. g. chymotrypsin, kallikrein, plasmin, proteinase K, trypsin).	2006439	500 mg	115,27€
Aprotinin BioChemica Alternative to Sigma 10820-25MG among others	Aprotinin inhibits trypsin, chymotrypsin, kallikrein from different sources and plasmin.	2010559	25 mg	62,84€
Leupeptin Hemisulfate Alternative to Sigma L5793 among others	It is a reversible inhibitor of serine and cysteine proteases (e. g. plasmin, trypsin, papain, cathepsin B, thrombin, calcium-dependent protease calpain).	2010726	10 mg	50,20€
Pepstatin A Alternative to Sigma P5318-5MG among others	It is a strong inhibitor of acidic proteases ('Aspartic Proteases'): Pepsin, HIV and MMTV protease, cathepsin D and renin.	2010796	10 mg	32,98€

