



PROTEIN EXPRESSION AND PURIFICATION

Induction

IPTG	
I2481C	1 g
I2481C5	5 g
I2481C25	25 g
I2481C50	50 g
I2481C100	100 g
I2481C500	500 g



Reducing Agents

DTT (Dithiothreitol)
(> 99% Pure) Protease-Free

DTT10	10 g
DTT25	25 g
DTT50	50 g
DTT100	100 g
DTT500	500 g

TCEP-HCl

TCEP1	1 g
TCEP2	2 g
TCEP5	5 g
TCEP10	10 g
TCEP25	25 g
TCEP50	50 g
TCEP100	100 g

Protease Inhibitors

AEBSF

A-540-500	500 mg
A-540-1	1 g
A-540-2.5	2.5 g
A-540-5	5 g
A-540-10	10 g
A-540-25	25 g

Aprotinin

A-655-25	25 mg
A-655-100	100 mg

E-64

E-064-25	25 mg
E-064-100	100 mg

Leupeptin Hemisulfate

L-010-5	5 mg
L-010-25	25 mg
L-010-100	100 mg

Pepstatin A

P-020-5	5 mg
P-020-25	25 mg
P-020-100	100 mg

PMSF (Phenylmethylsulfonyl Fluoride)

P-470-10	10 g
P-470-25	25 g
P-470-50	50 g
P-470-100	100 g

Protease Inhibitor Cocktails

General Cocktails

- Ready-to-use solutions
- Irreversible & reversible inhibitors
- EDTA-free options
- ProBlock™ Gold at 1X inhibits > 95% of protease activity

ProBlock™ Gold Protease Inhibitor Cocktail [100X]

GB-108-2	2 ml
GB-108-5	5 ml
GB-108-10	10 ml

ProBlock™ Gold 2D Protease Inhibitor Cocktail (EDTA-Free) [100X]

GB-109-1	1 ml
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ProBlock™ Gold Bacterial 2D Protease Inhibitor Cocktail [100X]

GB-376-1	1 ml
GB-376-5	5 ml

ProBlock™ Gold: EDTA-Free & Plus

- Designed for large volumes of extraction/lysis buffers
- Each vial is suitable for 50 ml
- Available with EDTA (GB-334 Sold as a separate pack) & EDTA-free (GB-326)

ProBlock™ Protease Inhibitor Cocktail –50, EDTA-Free

GB-326-1	1 vial
GB-326-10	10 vials
GB-326-20	20 vials

ProBlock™ Protease Inhibitor Cocktail –50, Plus EDTA

GB-334-10	10 vials
GB-334-20	20 vials

Cell-Type-Specific Cocktails

ProBlock™ Gold Bacterial Protease Inhibitor Cocktail [100X]

GB-330-1	1 ml
GB-330-5	5 ml

ProBlock™ Gold Mammalian Protease Inhibitor Cocktail [100X]

GB-331-1	1 ml
GB-331-5	5 ml

ProBlock™ Gold Plant Protease Inhibitor Cocktail [100X]

GB-332-1	1 ml
GB-332-5	5 ml

ProBlock™ Gold Yeast/Fungi Protease Inhibitor Cocktail [100X]

GB-333-1	1 ml
GB-333-5	5 ml



PROTEIN EXPRESSION AND PURIFICATION

Phosphatase Inhibitor Cocktails

- Ready-to-use solutions. Just add to your extraction buffer.
- Targets alkaline, tyrosine, serine & threonine phosphatases depending on the cocktail selected.

Simple Stop™ 1 Phosphatase Inhibitor Cocktail

- Targets serine/threonine specific, tyrosine specific & dual specificity phosphatases.

GB-450 1 ml

Simple Stop™ 2 Phosphatase Inhibitor Cocktail

- Targets acid, alkaline and tyrosine phosphatases.

GB-451 1 ml

Simple Stop™ 3 Phosphatase Inhibitor Cocktail

- Targets alkaline & serine/threonine phosphatases.

GB-452 1 ml

Cell Lysis

DNase I, Bovine Pancreas, >500 Kunitz U/mg

D-300-100 100 mg
 D-300-500 500 mg
 D-300-1 1 g
 D-300-5 5 g

DNase I, Bovine Pancreas >2000 Kunitz U/mg

D-301-50 50 mg
 D-301-100 100 mg
 D-301-500 500 mg
 D-301-1 1 g

Guanidine HCl

G-211-500 500 g
 G-211-1 1 kg
 G-211-5 5 kg

Lysozyme, Egg White

L-040-5 5 g
 L-040-10 10 g
 L-040-25 25 g
 L-040-100 100 g

Urea

U-200-500 500 g
 U-200-1 1 kg

Detergents

CHAPS

C-080-1	1 g
C-080-5	5 g
C-080-10	10 g
C-080-25	25 g
C-080-100	100 g
C-080-250	250 g
C-080-500	500 g

Digitonin Special Grade (Water-Soluble)

D-180-250	250 mg
D-180-1	1 g
D-180-2.5	2.5 g
D-180-5	5 g
D-180-10	10 g

Octylglucoside, Ultra Pure

O-110-5	5 g
O-110-10	10 g
O-110-25	25 g
O-110-50	50 g

Lysis Buffers

Bacterial Cell Lysis Buffer

GB-177-100	100 ml
GB-177-500	500 ml
GB-176-100	100 Preps
GB-176-250	250 Preps
GB-176-500	500 Preps

Mammalian Cell Lysis Buffer

GB-180-100	100 ml
GB-180-500	500 ml

Tissue Cell Lysis Buffer

GB-181-100	100 ml
GB-181-500	500 ml

Yeast Lysis Buffer Kit (plus Zymolyase)

GB-178	100 Preps
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Yeast Spheroplast Lysis Buffer

GB-179-100	100 ml
GB-179-500	500 ml

Immunohistochemistry

4-Nitrophenyl Phosphate, Disodium Salt Hexahydrate

N-380-50	50 g
N-380-100	100 g
N-380-250	250 g

BCIP

B-500-10	10 g
B-500-25	25 g
B-500-50	50 g
B-500-100	100 g

DAB Tetrahydrochloride Hydrate

D-320-1	1 g
D-320-5	5 g
D-320-10	10 g

Nitrotetrazolium Blue Chloride (NBT)

NBT1	1 g
NBT2.5	2.5 g
NBT5	5 g
NBT10	10 g

TMB Dihydrochloride

TMBHCL10	10 g
TMBHCL25	25 g
TMBHCL50	50 g
TMBHCL100	100 g

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PROTEIN EXPRESSION AND PURIFICATION

Featuring: Nickel NTA & Cobalt Agarose Beads

The Nickel-NTA Agarose Resin contains four of the six ligand binding sites and is stable in the presence of reducing agents. This product is ideal for maximum purifications, and allows for purification of His-tagged proteins under native or denaturing conditions.

GoldBio's Nickel-NTA Agarose Resin has a binding capacity of ~50 mg/ml.

Cobalt binds fewer host protein contaminants, resulting in lower background than nickel resins and no metal contamination in eluted histidine-tagged protein sample. It allows for purification of proteins under native or denaturing conditions.

GoldBio's Cobalt Agarose Resin has a binding capacity of >25 mg/ml with approximately 60 kDa protein.

Nickel NTA Agarose Beads

H-350-5	5 ml
H-350-10	10 ml
H-350-25	25 ml
H-350-50	50 ml
H-350-100	100 ml

Cobalt Agarose Beads (High Density)

H-310-10	10 ml
H-310-C8	Col. 8 x 1 ml
H-310-25	25 ml
H-310-50	50 ml
H-310-C5	Col. 5 x 5 ml
H-310-100	100 ml
H-310-500	500 ml



Popular Agarose (Sephacose™) Beads & Resins

Cobalt Agarose Beads (High Density)

H-310-5	5 ml
H-310-10	10 ml
H-310-C8	Col. 8 x 1 ml
H-310-25	25 ml
H-310-50	50 ml
H-310-C5	Col. 5 x 5 ml
H-310-100	100 ml
H-310-500	500 ml

Cobalt HTC Agarose Beads

R-203-5	5 ml
R-203-25	25 ml
R-203-100	100 ml
R-203-500	500 ml

Glutathione Agarose Resin

G-250-5	5 ml
G-250-10	10 ml
G-250-50	50 ml
G-250-100	100 ml

Imidazole, Recrystallized **S**

I-902-25	25 g
I-902-50	50 g
I-902-100	100 g
I-902-500	500 g

Solution Available (Catalog# I-901)

Nickel Agarose Beads (High Density)

H-320-5	5 ml
H-320-10	10 ml
H-320-C8	Col. 8 x 1 ml
H-320-25	25 ml
H-320-50	50 ml
H-320-C5	Col. 5 x 5 ml
H-320-100	100 ml
H-320-500	500 ml

Nickel Agarose Resin Cartridges (High Density)

H-322-CA1	Cart: 1 x 5 ml
H-322-CA5	Cart: 5 x 5 ml

Compatible with AKTA, MPLC & FPLC systems

Nickel NTA Agarose Beads

H-350-5	5 ml
H-350-10	10 ml
H-350-25	25 ml
H-350-50	50 ml
H-350-100	100 ml

Nickel HTC Agarose Beads

R-202-5	5 ml
R-202-25	25 ml
R-202-100	100 ml
R-202-500	500 ml
R-202-1000	1000 ml

Protein A Agarose Resin

P-400-5	5 ml
P-400-25	25 ml
P-400-50	50 ml
P-400-100	100 ml

Protein G HTC Agarose Beads

P-430-1	1 ml
P-430-5	5 ml
P-430-25	25 ml

Streptavidin Agarose Resin

S-105-1	1 ml
S-105-5	5 ml
S-105-10	10 ml

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Magnetic Agarose Beads

Nickel NTA Magnetic Agarose Beads allow for a rapid and easy small-scale purification of histidine-tagged proteins. This resin consists of magnetic agarose derivatized with Nitrilotriacetic (NTA) and provides good properties for purification in native or denaturing conditions.

Nickel NTA Magnetic Agarose Beads

H-351-2	2 ml
H-351-5	5 ml
H-351-10	10 ml

Protein A Magnetic Agarose Beads

P-401-500	500 µl
P-401-2000	4 x 500 µl

Protein G Magnetic Agarose Beads

P-435-500	500 µl
P-435-2000	4 x 500 µl