
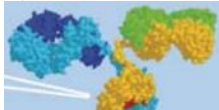
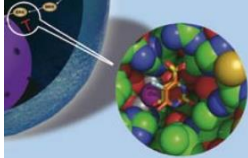





Interchim Innovations

Interbiotech - BioScience Innovations

S04E-P09E

[PW]

Biochemicals	Biomolecules	Standards
<p>General use chemicals and biochemicals in R&D:</p> <ul style="list-style-type: none"> • Buffers, Solvents, Media • Detergents, chaotropes, • Antibiotics, Protease Inhibitors, • Aminoacids, chelates, • Substrates, ...  <p>• by applications: electrophoresis, chromatography, protein assays, immunoassays, cell culture, cell assays,...</p>	<ul style="list-style-type: none"> • Peptides + 70 000 items • Recomb. Proteins + 130 000 items • Extracts & Lysates ~ 40 000 items • Lipids & Fatty Acids ~ 7 000 items • Glycosides • Nucleotides, DNA/RNA materials • Bioactive compounds + 50 000 agonists, inhibitors... 	<p>Qualified Standards for analysis</p> <ul style="list-style-type: none"> • Inorganics • Organics • Colors • Spectrophotometry • Physico-Chemical properties  <p>• by applications: wines, lab water, soils, papery, milkery,...</p>
<p>Go to Chemicals & biochemicals catalogue⁰ for R&D Labs</p> 	<p>Go to Bioactive compounds catalogue⁰[PW]</p> 	<p>Go to Analytical Standards catalogue</p> 

■ General Use Biochemicals

[PW]

Introduction

Interchim provides high quality biochemicals for use in Biotech, immunoassay, Biochemistry, Purification, Molecular Biology, and Cell Culture.

Go to: [Biochemicals by categories](#) | [Featured Biochemicals exemples](#) | [Biochemicals by alphabetical order](#) | [Technical quality grades](#).

■ Biochemicals catalogues (by substances types or applications)

Categories by types of biochemicals

[Buffering agents](#)⁰[]

[Detergents](#)⁰[PW]

[Protease Inhibitors](#)⁰[]

[Antibiotics/Bacteriostatics](#)⁰[]

[Enzymes substrates](#)⁰[PW]

See also [Bioactive compounds](#)⁰[PW]:

Peptides, Proteins, Enzymes, Extract&Lysates,...

Glycosides, Lipides, Nucleotides, DNA/RNA materials,...

See [Biochemicals Catalog](#)⁰ pages H48-89_(French-201509) []

Categories by application, technique,...

[GreenAlternatives](#)⁰[]:

Nocive or toxic organic solvents can be replaced by interesting substitutes..

Examples include limonène, (xylène->) histochoice, ...

See also

Immunodetection: [Buffers](#)^[], [Saturating agents](#)^[], [Enzymatic substrates](#)^[]

Biochemistry: [Buffers for electrophoresis](#)^[], ...

Cell Culture: Cell culture media components

See [more online](#) []



• **Buffers**

PBS Buffer 10X , Powder pack

UP68723A, 1Pk 68723B, 10Pk

Un sachet dissout avec 1L d'eau déminéralisée (18 MOhm) permet d'obtenir une solution 10X à pH 7,0 ou à 10L d'eau déminéralisée (18 MOhm) pour une solution finale PBS 1X (137mM de Chlorure de Sodium, 10mM de phosphate, 2,7mM Chlorure de Potassium, pH 7,4).

See more [Formulated Buffered solutions](#)⁰⁰:

D-PBS with or without CaCl₂ & MgCl₂, 20X Solution or 1X sterile, or tabs, with with Tween 20 or Fat-free Milk,... TBS, TG-SDS, SOC,...

Potassium Phosphate Monobasic

684481, 500g 684482, 1Kg

CAS: 7778-77-0 PM : 136,09
 Syn: potassium phosphate monobasic, Monopotassium phosphate, Potassium dihydrogen phosphate
 Pureté : >99%
 pH (5%, eau à 25°C) : 4,1-4,5
 Chloride : 0,001%
 Métaux lourds : <0,001%
 Insolubles : <0,01%
 Fer : <0,002
 Perte sèche : <0,2%
 Composés azotés : <0,001%
 Sodium : <0,005%
 Sulphate : <0,003%

Sodium Carbonate Anhydrous, ACS grade

141321, 1Kg 141322, 2,5Kg

CAS: 497-19-8 PM: 105,99
 Syn: Calcined soda, Carbonic acid disodium salt, Soda ash
 Pureté: >99,5%
 Calcium: <0,03%
 Chloride: <0,001%
 Métaux lourds (comme Pb): <0,0005%
 Insolubles : <0,01%
 Fer: <0,0005
 Magnésium: <0,005%
 Phosphate: <0,001%
 Potassium: <0,005%
 Composés sulfuriques : <0,003%
 Silice : <0,005

• **Buffers for electrophoresis:**

Acrylamides Uptima™

CAS: 79-06-1 PM: 71,08
 Toutes les solutions d'acrylamides Uptima™ sont préparées à partir de composants ultra-purs, en eau 18 megaohm qualité Biologie Moléculaire, testées apyrogènes et LAL, DNase, RNase, Protease free. Elles sont filtrées sur fibres de verre 0,45µm et 0,2µm, et sur filtres de nylon pour éliminer les matières particulaires.

Application en électrophorèse PAGE et agarose des acides nucléiques ADN, ARN, et des protéines.

Acrylamide, Biotechnology Grade

59844A, 500g 59844B, 1Kg

Pureté: ≥ 99,9%
 Point de fusion : 84-86C
 pH : 5,5-6,5
 Moisissure : 0,04%
 Acide Acrylique: <0,001%
 Pb: <0,0001%
 Fer: <0,0001%
 DNase, RNase, Protease Activité non détectée

Applications: tout type d'électrophorèse PAGE incluant l'IEF, 2D et le séquençage de l'ADN. Technical sheet

• **Solvents:**

DMSO

RM4522, 100ml RM4523, 500ml

CAS:67-68-5 PM: 78,13
 Syn: Dimethyl Sulfoxide, methylsulfinylmethane, methyl sulfoxide.
 Pureté : ≥99%
 Densité (20°C) : 1,104 g/cm3
 Viscosité (27°C) : 1,1 centipoises
 Point d'ébullition : 189°C
 Soluble en eau, méthanol, acétone, éther, benzène, chloroforme.

See more [Solvents](#)⁰: water, DMF, EtOH,...

Glycine, Biotechnology Grade

UP018225, 1Kg 018224, 5Kg

CAS:56-40-6 PM: 75,07
 Pureté: >99,5%
 Humidité: <0,2%
 A280 (1M, eau) : <0,1
 Chloride: <70ppm
 Fer: <10ppm
 Ammonium: <100ppm
 RNase, DNase, Protease Activité non détectée

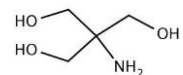


Utilisé pour des tampons d'électrophorèse PAGE (migration, Laemmli), le westernblotting.

Tris HCl, Biotechnology Grade

UP09154D 500g UP09154E

CAS:1185-53-1 PM : 157,6
 Pureté : >99,8%
 Humidité: <1,0%
 A280 (1M, eau) : <0,05
 Insolubles : <0,005%
 Arsenique : <0,0005%
 Cuivre : <0,0001%
 Fer: <0,0001%
 Magnésium : <0,0001%
 Métaux lourds (comme Pb) : <0,0001%
 DNase, RNase, Protease Activité non détectée



HEPES, free acid, UltraPure Grade

UP061940, 250g UP061941, 1Kg

CAS: 7365-45-9 PM: 238,3
 Syn: 2-[4-(2-Hydroxyethyl)piperazin-1-yl]ethanesulphonic acid.
 Pureté: >99,5%
 Métaux lourds: <1ppm
 pKa (20°C): 7,55±0,2
 pH: 6,8-8,2
 Point de fusion: 238-240°C
 Voir section 'Tampons de Good'

See more [Good's Buffering agents](#)⁰⁰: ACES, MOPS, PIPES,...

Acryl/Bis-Acryl Solutions, Biotechnology Grade

DNase, RNase, Protease free.

Acryl/Bis-Acryl. (19-1) Sol. 40%

UP86489B, 500ml 86489D, 1L

Acryl/Bis-Acryl. (29-1) Sol. 40%

UP864927, 500ml 86492F, 5x100ml

Acryl/Bis-Acryl. (37.5-1) Sol. 40%

UP864937, 500ml 864938, 5x100ml

Agarose, regular uses

31272L 500g

Voir description détaillée à la section 'Génomique/Electrophorèses'.
 Other agaroses: , <1000 pb, , <1500 pb, Low EEO, Genetic Quality Tested, low melting

See more [Buffers for electrophoresis](#)⁰: Tris, Urea, TG-SDS, SDS, bME, DTT, APS,....

• **Additives**

Sucrose Biotechnology Grade

252031, 1Kg

CAS:57-50-1 PM: 342,3
 Syn: α-D-Glc-(1→2)-β-D-Fru, α-D-Glucopyranosyl β-D-fructofuranoside, β-D-Fructofuranosyl-α-D-glucopyranoside, D(+)-Saccharose.
 Pureté: >99,9%

See more [Buffer Additives](#)⁰: Glycerol, Azide,

• Detergents

SDS Powder, Biotechnology Grade

089388	500g	089389
Pureté:	>99%	
C12:	>99%	
A260 (3% sol aqueuse):	< 0.1	
A280 (3% sol aqueuse):	< 0.1	
Chlorure:	< 0.1%	
Phosphate:	< 0,0005%	
Plomb:	< 0,0005%	
Cuivre:	< 0,0005%	
RNase, DNase	Activité non détectée	



See more [Detergents](#)^(LPW): CHAPS, DOC, Triton, Brif, Tween,

• Proteins , Saturating agents,...

BSA, Fraction V, Standard Grade

UPQ84170, 100g	UPQ84171, 500g
CAS: 9048-46-8	
Pureté:	>97%
Aspect :	paillettes
Couleur :	jaune pâle
Extrait sec:	>950mg/g
Protéines totales :	>920mg/g
pH (solution à 10% p/v en eau) :	6,5-7,4
Germes mésophiles :	<100CFU/g
Protease	Activité non détectée

See more [Albumins](#)⁰: BSA 30% solution, OVA,...

• Enzymes substrates

BCIP/NBT Substrate Solution, Biotechnology Grade

UP099851	100ml
Abs. à 234nm (3%, eau):	1,07 – 1,37
Abs à 260nm (3%, eau):	0,86 – 1,09
Conductivité (µmhos):	2500 - 5500
pH à 25°C :	9,7 – 9,9



Donne un précipité de couleur bleu foncé (λ_{max} 615 nm)

DAB Tablets

732310, 50Tb	732311, 100Tb
Syn: 3,3'-Diaminobenzidine Tetrahydrochloride	
pH (1tablette/10ml eau) :	4,8-5,2.

Substrat insoluble de la HRP. Une tablette contient 5mg de DAB, est à dissoudre dans 10ml d'eau pour une solution prête à l'emploi.

• Molecular Genomics

IPTG

UP84853C, 1g	UP84853D, 10x1g
CAS:367-93-1	PM: 238,30
Syn: Isopropyl-beta-D-thiogalactopyranoside.	
Pureté ((HPLC):	>99%
Dioxane:	<5ppm
Turbidité (0,5% eau):	<2,0NTU
Eau (KF):	<1%
Rotation optique spécifique [α]D(c=1 en eau , 20°C) :	<-32,5 à -30,5
Impuretés (GC-HS; dioxane) :	<5mg/kg

Ethidium Bromide 0,625mg/ml Solution

32790B, 5ml	32790D, 10ml
CAS:1239-45-8	PM:394,31
Syn: 2,7-Diamino-10-ethyl-9-phenylphenanthridinium bromide	
DNase, RNase	Activité non détectée



Livré en flacon compte-goutte.

glucosides: n-Decyl-β-D-glucopyranoside, UltraPure

759091, 1g	759092, 5g
CAS: 58846-77-8	MW: 320,44
Syn: n-Decyl-β-D-glucoside	
Pureté (HPLC):	>99% $\alpha+\beta$
CMC (H ₂ O) :	~2,2mM
CMC (0,01M, PO ₄) :	~2,3mM
Anomère (HPLC):	<2% α
Alcool (HPLC):	0,005% Decanol
pH (0,03% en eau):	5-8
Solubilité (en eau, 20°C) :	≥0,1%
Conductance (0,1%, eau) :	<20µS
Fluorescence (0,1%, eau à 345nm) :	<10%
Absorbance dans une solution à 0,1% en eau:	
225 nm:	< 0,1
260 nm:	< 0,06
280 nm:	< 0,04
340 nm:	< 0,02

Détergent non-ionique.
Voir Section 'Biopurification/Isolation Extraction'

• Acids, Alkalis

Sodium hydroxide pellets

141812	500g	141813
CAS:1310-73-2	PM : 40	
Syn: Caustic soda, Lye, Sodium hydrate.		
Pureté:	>97%	



See more [Acids, Alkalis](#)⁰: H2SO4, Citric acid, ...

OPD, UltraPure Grade

270860, 50tab	PM:108,14
CAS:95-54-5	
Syn: o-Phenylenediamine.	

Chaque tablette contient 15mg de'OPD.

See more [HRP & AP enzymes substrates](#)^(LPW): OPD, TMB, pNPP, ...
in powder, tabs, or solutions

• Cell Viability, staining

MTT, UltraPure Grade

FP-65939A, 1g	FP-65939B, 5g
CAS: 298-93-1	PM: 414,32
Syn: Thiazoyl Blue tetrazolium bromide, 3-(4,5-Dimethylthiazol-2-yl)-2,5-diphenyltetrazolium bromide.	
Pureté:	>98%
Soluble en eau et DMSO.	

See more in the [Biochemicals Catalog](#)⁰:
Substrates for reporter assays: XGal, MUP, ...
Cell viability & staining: WST1-8, Calcein-AM, ...
DNA stains: PI, GelRed, PMA, Methylene Blue, ...

• Antibiotics/Bacteriostatics

Actinomycin D

09086A, 5mg **09086B, 10mg**

CAS: 50-76-0

PM: 1255,42

Syn: actinomycine IV, actinomycine C1, dactinomycine

Pureté : 98%

Antibiotique anti-néoplasique.

Soluble en DMSO à 1mg/mL, en éthanol.

Induit l'apoptose dans plusieurs lignées cellulaires telles que les poumons, les lignées cellulaires du cancer de la prostate et les lymphocytes de sang humain.

See more [Antibiotics/Bacteriostatics](#)⁰⁰: Ampicillin, Streptomycin, Azide,

AEBSF

401070, 100mg **UP401071, 1g**

CAS: 30827-99-7

PM: 239,69

Syn: 4-(2-Aminoethyl)-benzenesulfonylfluoride hydrochloride

Pureté : >98%

Colour de la solution (5 % en eau): Incolore

Turbidité (0,5 % en eau): max. 2,0 NTU

Teneur en eau (K. Fischer): max. 1,0 %

Point de fusion: 181 - 185 °C

Titration argentimétrique: 97,0 - 103,0 %

• Amino-Acids

• Protease Inhibitors

Protease Inhibitor Cocktails

Cocktail I (pour usage général) WT0900, 1 flacon

Cocktail II (pour bactéries) WT8260, 1 flacon

Cocktail III (pour mammifères) WT0850, 1 flacon

aussi disponible animal free, sans solvant

Cocktail IV (pour champignonnd et levures) WT0930, 1 flacon

Cocktail V (pour mammifère, sans EDTA) WT8280, 1 flacon

aussi disponible avec EDTA (WT08600)

Cocktail VI (pour plante) WT0870, 1 ml

Cocktail VII (pour Hist-tag) WT0880, 1 flacon

aussi disponible sans DMSO (WT0910)

Cyst.proteases Cocktail DZ0280, 1 ml

Serine Protease Inhibitor Cocktail WT8230, 1 flacon

Voir la description détaillée en section 'Inhibiteurs de protéases'

See more [Proteases & Phosphatases Inhibitors](#)⁰⁰: PMSF, Aprotinin, ... Cocktails

■ Biochemicals alphabetical list

See also more products [on line search](#)^[1].

Follow links to the technical sheets ([TS](#)) for detailed technical information.

A-D	A B C D	E F G H	I J K L	M N O P	Q R S T	U V W X Y Z
Acetic Acid	(CAS:64-19-7)		IS319C, 10L			-
Acetic Acid	(CAS:64-19-7)		IS3190-0714, 500mL		IS3191-0714-2.5L	
			IS3192-0714, 4L		IS3192-0714, 20L	TS
Acetonitrile, with 0.1% Glacial Acetic Acid			IS2600-N170, 4L			TS
Actinomycin D	(CAS:50-76-0)		09086A			TS-N12272
AEBSF (protease inhibitor)			UP401070, 100 mg	UP401071, 1g	UP401074, 10g	Technical Sheet
AEBSF, protease free			GS4072 50 mg			
Ammonium Persulfate, Biotech grade			UP306098, 25g			Technical Sheet
Amphotericin B	(CAS:1397-89-3)		550735			TS-N12272
Ampicillin, Na Salt	(CAS:69-52-3)		391961			Technical Sheet ³⁰⁸⁶⁶⁴
Ampicillin, TriHydrate	(CAS:7177-48-2)		391961			TS-N12272
Antibiotics : see the catalog of Antibiotics/Bacteriostatics ^[0]						
Antipain dihydrochloride , protease free			25731C 5 mg			
Aprotinin, protease free			18558D 10 mg	18558E 50 mg		
Ascorbic Acid			00284C, 100g	002845-0143, 500g		TS
see also Vitamine C						
Ascorbic Acid, Sodium salt			IU6450-0764, 100g			TS
Azide sodidum, 1% solution			DY8950, 100ml			Technical Sheet
Azide sodium, 10% solution			NJK63A			-
Azide, sodium salt			081125, 25g			
Bacitracin ZINC	(CAS:1405-89-6)		GS309			TS-N12272
Bafilomycin A1	(CAS:88899-55-2)		973092			Technical Sheet ³⁰⁸⁶⁶⁴
Benzamidine hydrochloride , protease free			003059 25 g	00305B 50 g	00305A, 100 g	
Bestatin , protease free			300995 10 mg			
Big CHAP			N14100, 5 g			TS
Blue-GAL (5-Bromo -3-Indolyl b-D-Galactopyranoside)			UP775580, 1g			Technical Sheet
BRIJ-35 Biotech grade			09187A, 1 Kg	09187B 5 Kg		TS
BRIJ-35 Proteomics grade			09187K 1 Kg	09187L 5 Kg		
Bromo-Chloro-Indolyl-b-D-Galactopyranoside:			cf X-Gal (UP40534M) Technical Sheet and other Gal substrates (Green, Rose, Red, Purple)			
Boric Acid (MW:61.83; pKa1:9.24, pKa2:12.74, pKa3:13.80, pH range: 8.5-10.2)			UP070440, 1 kg			
Boric Acid Proteomics Grade			10853A, 500 g	10853B, 1 Kg		
Buffers : see the catalog of Buffering agents ^[0]						
C12 E8			N14210, 1 g			TS
C12 E9			N14510, 1 g			TS
CDMEA			25552A, 100 g	25552B, 500 g		TS
Carbenicillin, DiNa Salt			(CAS:4800-94-6)	383880		TS-N12272
Cefotaxime, Na Salt (CAS:64485-93-4)			NC7202			TS-N12272
Chloramphenicol (CAS:56-75-7)			091421			TS-N12272
Chlortetracycline HCl(CAS:64-72-2)			19252A			TS-N12272
Citric Acid (MW:192.1; pKa1: 3.13 2.2-6.5, pKa2: 4.76 3.0-6.2, pKa3: 6.40 5.5-7.2)			UP168781, 1 Kg			
Citric Acid, anhydrous			HO9790, 500g	HO9791, 1Kg		-
Citric Acid ACS grade/ Biotech grade (MW:192.1)			673418, 500 g			
Citric Acid ACS grade/ Biotech grade (MW:192.1)			673410, 500 g	673411, 1 Kg	673412, 3 Kg	TS
Citric Acid, Ammonium Salt, Dibasic, UltraPure (MW:226.2)			N12630, 500 g	N12631, 1 Kg	N12632, 2.5k	N1263, 12 Kg TS
Citric Acid, Trisodium Dihydrate (MW: 294.1)			218830, 1 Kg	218831, 2.5 Kg		TS
Citric Acid, Trisodium Dihydrate Proteomics Grade			10853A, 500 g	10853B, 1 Kg		TS
Chymostatin , protease free			29706D, 5 mg			
CHAPS, UltraPure			UP333514, 5 g	UP33351A 25 g	333515 100 g	Technical Sheet
Cholate, Sodium salt			WZ7830, 25g			
CHAPS, Proteomics grade			33351K 5 g	UP33351L 10 g	UP33351M 50 g	
CHAPSO, UltraPure			UP356392 1 g	UP356393 5 g		TS
CHAPSO, Proteomics grade			35639B, 1 g	35639C 10 g	35639D 50 g	TS
Coelenterazines:			see Enzymes substrates ^[0]			
CTAB			12910A 500 g	12910B, 1 Kg		TS
Deoxy Big CHAP - High Purity grade			N14240, 500 mg		MW: 834.02	
Deoxycholic Acid (DOC), Sodium Salt			UP11708D 10 g	UP11708E 50 g	11708B, 100 g	TS
Detergents:			see Detergents ^[0]			
DMF						
DMSO, ACS grade			36765A, 500ml			.

Dodecyltrimethylammonium Chloride	N12850, 100 ml	N12851, 500 ml	TS
DTT (1,4-Dithiothreitol) Biotechnology Grade	UP284250, 1 g	UP284255, 5 g	Tech Sheet [BB034c]

E-H | [A B C D](#) | [E F G H](#) | [I J K L](#) | [M N O P](#) | [Q R S T](#) | [U V W X Y Z](#)

E-64 (Cysteine Proteases Irrevers. Inhibitor)	789581		Technical Sheet
E-64 , protease free	GS4080, 5 mg		
EDTA DiSodium Salt Dihydrate	036292, 100g	036292, 1kg	Technical Sheet
EDTA-Na ₂ , protease free	T32141, 500 g	T32142 1 Kg	T32143 2,5 Kg
EDTA TetraSodium Salt Dihydrate	DV0040, 5kg		
EDTA solutions	see EDTA Tetrakis 40% Solution (1E7660), TBE Buffer, TE buffer		
Ethanol			
Formic Acid	03636K-0961, 100ml	03636L-0961, 500ml	TS
Galactosidase substrates:	see Enzymes substrates ⁽⁰⁾ i.e. for X-Gal (UP40534M) and others Technical Sheet		
Glucosidase & Glucuronidase substrates:	see Enzymes substrates ⁽⁰⁾ i.e. for MUP		
Green-GAL	AM338A, 25mg		Technical Sheet
Glycine, Molec.Biol.grade (MW:75.07; pKa1:2.35 2.2-3, pKa2:9.78 8.2-10.6)	UP018225 1 Kg		Technical Sheet (0)
Guanidine HCl	018630, 500g		Technical Sheet
G418 Sulfate (Geneticin)	(CAS:108321-42-2	652495R	Technical Sheet ³⁰⁸⁶⁶⁴
Hecameg	785480, 5g		Technical Sheet
HEPES, free acid (MW:238.3; pKa:7.55; pH range: 6.8-8.2)	UP061940, 250 g	06194P, 1 Kg	
Hygromycin B (CAS:31282049)	71946A		TS-N12272

I-L | [A B C D](#) | [E F G H](#) | [I J K L](#) | [M N O P](#) | [Q R S T](#) | [U V W X Y Z](#)

Imidazole (MW:68.08 pKa: 6.95, pH range 6.2-7.8)	020220, 10 g	020228, 50 g	
Imidazole Proteomics grade	B19270, 10 g	B19271, 50 g	
Iodoacetamide	020481, 1g	020481, 5g	020481, 10g
Kanamycin Sulfate (CAS:25389-94-0)	308664		TS Technical Sheet ³⁰⁸⁶⁶⁴
Luciferins:	see Enzymes substrates ⁽⁰⁾		

M-P | [A B C D](#) | [E F G H](#) | [I J K L](#) | [M N O P](#) | [Q R S T](#) | [U V W X Y Z](#)

Lauryl Sarcosine, Sodium salt, Reagent Grade	258166, 500g	258167, 1kg	TS
Leupeptin , protease free	827728, 5 mg	827729 25 mg	
Lithium Dodecyl Sulfate	259845 25 g	259846, 100 g	259847, 500 g
MEGA-8 UltraPure Grade	N14260, 5 g		TS
MEGA-9 Ultra Pure Grade	N14230, 100mg	N14231, 5g	TS
MEGA-10 Ultra Pure Grade	N14220, 5 g		TS
2-Mercaptoethanol	136990, 100 ml	136994, 250 ml	[BB034c]
Methanol, with 0.1% Glacial Acetic Acid	IS3193-0714, 20L		TS
MOPS, UltraPure (MW: 209 pKa: 3 7.20 pH range: 6.5-7.9)	UP062000, 100 g	UP062002 500 g	
Neomycin Sulfate (CAS:1405-10-3)	423688		Technical Sheet ³⁰⁸⁶⁶⁴
Nonidet P-40 Substitute	246373, 50ml	246374, 100ml	246375, 500ml
Nonidet P-40 Substitute, Proteomics Grade	246376, 50ml	246377, 100mg	3465378, 500ml
PBS (Phosphate Buffered Saline. Typical composition is NaCl 100mM, HPO ₄ , pH 7.4). See also Dulbecco's PBS			
PBS Concentrate 10X	N14012, 1L		Technical Sheet
PBS Concentrate 20X	N1376A, 500ml		Technical Sheet
PBS Sterile (0.2µm filtered, autoclaved)	N13522, 500ml		Technical Sheet
PBS Ultrapure, powder packs	UP68723A, 1pack (10 L)		Technical Sheet
PBS Ultrapure, ready-to-use tabs	UP307157, 100 tabs (100ml)		Technical Sheet
PBS with Tween 20, pH 7.5	N13810, 500 ml	N13811, 1 L	TS
PBS, 10X Liquid Concentrate	N14010, 4 L		TS
PBS, 20X Liquid Concentrate	N13760, 500 ml	N13761, 1 L	
PBS, Powder and 10X Ready-Pack	687236, 10 L	687237, 50 L	
PBS, Sterile 1X Solution, pH 7.4	N13520, 100 ml	N13521, 500 ml	
Penicillin G, Na salt (CAS:69-57-8)	N12272		TS-N12272
Pepstatin , protease free	827754, 5 mg	827755, 25 mg	
1,10-phenathroline , protease free	GS3880, 10 g	GS3881, 50 g	
Phosphoramidon , protease free	348118, 5 mg		
PMSF , protease free	GS3920, 5 g	GS3921, 25 g	
Phosphate Buffered Saline (powder, solution, concentrate, sterile,...)		See 'PBS', 'Dubelco PBS'	
Protease inhibitors : see the catalog of Protease Inhibitors ⁽⁰⁾			
PROTEASE INHIBITOR COCKTAIL I (for Serine proteases)	WT8230		Technical Sheet
PROTEASE INHIBITOR COCKTAIL I (General use)	WT0900		Technical Sheet
PROTEASE INHIBITOR COCKTAIL I (General use), Animal-Free	WT0940		Technical Sheet
PROTEASE INHIBITOR COCKTAIL II, for Bacteria	WT8260		Technical Sheet
PROTEASE INHIBITOR COCKTAIL III (for Mammalian) Animal-free	WT0920		Technical Sheet
PROTEASE INHIBITOR COCKTAIL III (for Mammalian) Animal-free, Solvent-free	WT0890		Technical Sheet
PROTEASE INHIBITOR COCKTAIL III (for Mammalian)	WT0850		Technical Sheet

PROTEASE INHIBITOR COCKTAIL IV (for Fungi & Yeast)	WT0930	Technical Sheet
PROTEASE INHIBITOR COCKTAIL V (for Mammalian) EDTA-free	WT8280	Technical Sheet
PROTEASE INHIBITOR COCKTAIL V (for Serine/Cysteine not Metallo Protease) EDTA-Free Animal-Free	WT0860	Technical Sheet
PROTEASE INHIBITOR COCKTAIL VI (for Plant)	WT0870	Technical Sheet
PROTEASE INHIBITOR COCKTAIL VI (General Use - Broad Range)	WT8220	Technical Sheet
PROTEASE INHIBITOR COCKTAIL VII (for broad range cysteine proteases)	DZ0280	Technical Sheet
PROTEASE INHIBITOR COCKTAIL VII (for His Tagged Proteins)	WT0880	Technical Sheet
PROTEASE INHIBITOR COCKTAIL VII (for His-Tagged proteins) DMSO-free	WT0910	Technical Sheet

Protein Assay see catalog [Protein Analysis in Solutions](#)⁰ including

« (colorimetric)	Colorimetric protein Assay (#UP40840A) and µBC Assay (#UP75860A)	TS
« (fluorimetric)	Epicoccostab Protein Assay (Epicocconone based) (#FP-1K9520)	TS

Protein Gel Staining see catalog [Protein Electrophoresis](#)⁰ including

« (fluorimetric)	Epicoccostab Protein Gel Stain 100X, RED Epicocconone based (#FP-1K9520)	TS
Puromycin DiHCl	(CAS:58-58-2) 090901	TS-N12272
Purple-GAL	.	Technical Sheet-
Radicicol	(CAS:[12772-57-5]; a macrocyclic antifungal antibiotic) WT1140	FT-WT1140
Red-GAL	A27020, 100mg	Technical Sheet
Rose-GAL	AM341A, 100mg	Technical Sheet

Q-T | [A B C D](#) | [E F G H](#) | [I J K L](#) | [M N O P](#) | [Q R S T](#) | [U V W X Y Z](#)

SDS (Sodium Dodecyl Sulfate, Lauryl sulfate)			
SDS powder, Molecular Biology grade	UP649100, 500g		
Biotech grade	089387, 100g	089388, 500g	089389, 1kg
SDS, powder, Proteomics grade	GS3750, 100g	GS3752, 500g	GS3753, 1kg
SDS, 10% (w/v) solution	N13827, 100ml	N13828, 500ml	N13829, 1L
SDS, 10% (w/v) solution, Proteomics grade	GS3770, 100ml		
SDS, 20% (w/v) solution	UP896825, 200ml	UP896826, 500ml	896826, 1L
SDS, 20% (w/v) solution, Proteomics grade	89682A, 200ml	89682B, 500ml	
Sodium ...:	See chemical name. Ex: Cholate Sodium salt , Lauryl Sarcosine Sodium, salt,...		

Sodium Dodecyl Sulfate: see [SDS](#)

Streptomycin	(CAS:3810-74-0) 224968	TS-N12272
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Succinic Acid Free Acid (MW:118.09; pKa1:4.21(3.2-5.2), pKa2:5.64(5.5-6.5))	N12170, 500 g,	N12171, 2.5 Kg
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Sucrose , Ultra Pure Grade	252031, 1 kg	Technical Sheet
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Sucrose MonoLaurate	764831, 500g	TS
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Sulfobetaine 8, Biotechnology Grade	N14140, 5g	TS
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Sulfobetaine 10, Biotechnology Grade	N14150, 10g	TS
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Sulfobetaine 12, Biotechnology Grade	N14160, 10g	TS
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TAE Powder – 50X	IS3476, 1L	IS3477, 5L	Technical Sheet
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TAE Powder – 25X	892573, 1L	892579, 5L	“ Technical Sheet
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TAE Powder – 10X	BG9342, 1L	BG9343, 5L	“ Technical Sheet
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TAE Powder	892580, 1 u (40 L)
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TAE Ready-pack	665100, 2 packs (50 L)
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TCEP	UP242214, 1 g	242216, 10 x 1 g	Technical Sheet [BB034c]
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	24242218, 10g	24221B, 100g
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	87916A, 1 ml	87916C, 5 ml
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TCEP 500mM Neutral solution

TBE Buffers (Tris Borate EDTA):	473840, 2 packs (20 L)
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TBE disodium Ready-pack	8925320, 1 u (40 L)	Technical Sheet
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TBE Powder	892531, 1 pack (10 L)	"
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TBE Ready-pack	UP86510A, 5 L	UP86510C, 4 x 5 L	"
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TBE Solution 10X Concentrate	N14790, 1 L	N14791, 4 L	"
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TBE Solution 5X Concentrate			
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TE Buffers (Tris EDTA):			
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TE Buffer, pH 8.0, biotechnology grade	587529, 100ml	58752A, 500ml	587528, 1 L	Technical Sheet
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TE Buffer, pH 8.0, 10X concentrate	JV6512, 1L	JV6512, 5 L	Technical Sheet
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Tetradecyl Trimethyl Ammonium Bromide : see TTAB(25917L)

Tris (base)	UP031658, 500 g	UP031657, 1Kg	UP031657, 5Kg	Technical Sheet
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Tris HCl	UP09154D, 500 g	UP09154E, 1 kg	UP09154F, 5x1 kg	Technical Sheet
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Tris buffers: see also TAE, TBE, TG, TTE,...

Tris buffer 0.1M solution pH 7.4 nuclease free biotechnology grade	587550, 500 ml	587551, 100 ml
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Tris buffer 0.5M solution pH 6.8 biotechnology grade	725200, 500 ml
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Tris buffer 0.5M solution pH 6.8 proteomics grade	725201, 500 ml
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Tris buffer 1.0M solution pH 10 sterile ultra pure grade	N13740, 250 ml
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Tris buffer 1.0M solution pH 7.5 sterile ultra pure grade	N13710, 100 ml
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Tris buffer 1.0M solution pH 8 sterile biotechnology grade	586780, 100 ml	586781, 500 ml
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Tris buffer 1.0M solution pH 9 sterile ultra pure grade	N13720, 250 ml
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Tris buffer 2.0M solution pH 7.5	N14620, 1 L
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Tris buffer 2.0M solution pH 7.8	N14610, 500 ml
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Tris Buffered Saline (TBS), 20X Liquid Concentrate	N14580, 4 L
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Tris Buffered Saline (TBS), 20X Ready-Pack™	740040, 2 packs
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TRITON X-100, Reagent Grade	53578B, 1L	53578C, 4L	TS
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TRITON X-100, Proteomics grade	521128, 1L	521129, 4L	TS
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TRITON X-100, Oxidant free	UP521121, 10ml amps of 10% solution
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TRITON X-114, Reagent Grade	158521, 500ml	15852F, 1L	15852G, 4L	TS
TRITON X-114, Proteomics Grade	15852B, 1L	15852C, 4L		
TRITON X-114, Oxidant free	UP158528, 10ml amps of 10% solution			
TRYPsin from BOVINE PANCREAS	09016A, 500 mg			-
Immobilized Trypsin-Agarose	35186A, 2ml			
Trypsin inhibitor, soybean , protease free	N15153, 1 g	N15152, 10 g		Technical Sheet
TTAB (Tetradecyl Trimethyl Ammonium Bromide)	25917L, 100g	25917K, 500g		TS
DTBA (DithioButyAmine) -new reducing agent-	NCQ200, 100mg			[BB034c]
TTE Ready-pack	R59982, 1 Pack (10 L)			
TTE Solution 10X concentrate	R59980, 1 L	R59981, 5 L		
TWEEN 20, Reagent Grade	158749, 500ml	15874A, 1L	15874B, 4L	TS
TWEEN 20, Proteomics Grade	15874K, 1L	15874L, 4L		
TWEEN 20, Oxidant free	UP158740, 10ml amps of 10% solution			
TWEEN 40, Reagent Grade	WZ5980, 500ml			TS
TWEEN 80, Reagent Grade	WZ7880, 500ml	15878F, 1L	05878G, 4L	TS
TWEEN 80, Proteomics grade	15878A, 100ml	15878B, 1L	15878C, 4L	TS
TWEEN 80, Oxidant free	UP158780, 10ml amps of 10% solution			TS
U-Z A B C D E F G H I J K L M N O P Q R S T U V W X Y Z				
Valinomycin (CAS:2001-95-8)	092464			TS-N12272
Vitamine C (Ascorbic Acid)	N13111, 2.5Kg		TS	
Urea, UltraPure	UP031903, 500g	UP031904, 1kg	UP031909, 5Kg	Technical Sheet
Urea, 8 M Solution	N13830, 250 ml			
Urea, 8M solution, proteomics grade	N13831, 250 ml			
Urea, Molecular Biology Grade	UP031903, 500g	UP031904, 1Kg		
Water, Sterile, Nuclease free, RNase-Free Solution	457420, 500 ml			TS
Water, Sterile, Endotoxin Free (apyrogen)	IU638A, 1L	IU638B, 4L		Technical Sheet
X-GAL (5-Bromo-4-Chloro-3-Indolyl-b-D-Galactopyranoside)	UP40534M, 1g	UP40534N , 5x1g.		Technical Sheet
Xylene	see GreenAlternatives ^{0/} i.e. Histochoice Clearing agent			

Annexes

Quality grades of biochemicals

ACS : **ACS Grade:**

Materials conforming with the specifications and procedures outlined in American Chemical Society specifications

ANG : **Analytical Grade.**

Designates reagents suitable for use in analytical procedures.

BTG : **Biotechnology Grade.** Materials equivalent to Ultra Pure, but particularly suitable for use in Molecular biology applications. Tested for specific contaminants such as nucleases and bacteria where appropriate.

CERT **Certified/certifiable:** Materials, typically dyes and stains, that meet the requirements of the biological stain commission. Certified reagents have been tested and validated by biological stain commission.

FPG: **FluoPure grade:**

High quality reagents for enhanced results of critical applications in fluorescent or luminescent techniques

HPG : **High Purity grade.**

Materials of superior quality where there are no publishing standard

PRG : **Proteomics Grade.**

Materials conforming to the requirements of protein research which are tested to be nuclease, DNase and/or Protease free where applicable. Appropriate for use in Proteomics research applications.

RGG : **Reagent Grade.**

High Purity materials which suits most standard labs applications.

UPG : **Ultra Pure grade.**

Material with a purity level exceeding the various monograph grades

USP : **USP Grade:**

Materials conforming with the specifications and procedures outlined in the United States Pharmacopeia (standards for food ingredients and dietary supplements)

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