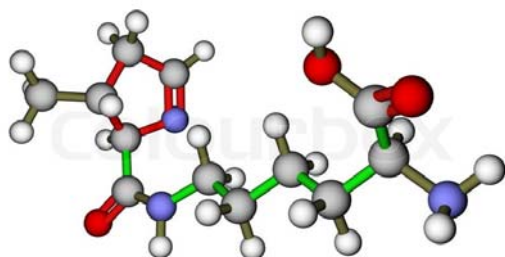
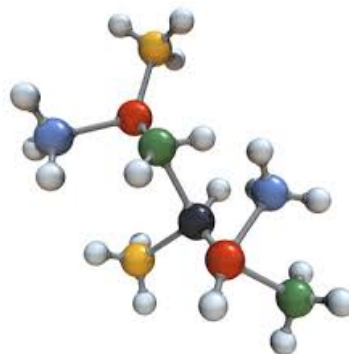


# Sorachim

ENZYMES & CHEMICALS For DIAGNOSTIC REAGENTS



## A SHORT INTRODUCTION

Since more than 40 years, SORACHIM SA provides raw material and technical support to diagnostic reagent producers all around the world.

We can supply Thermostable Enzymes and all the key chemicals used for reagent manufacturing.

In our portfolio you will find a wide range of very high quality products such as:

- Buffers
- Co-enzymes, Substrates and Chromogens
- Stabilizers, Detergents, Antibiotics and Biocides

We have a very high expertise in clinical chemistry but we can also give support in hematology, food analysis and even cosmetic.

QUALITY is our priority: all our products are carefully selected and tested to be sure they comply with our high quality requirements.

As a standard quality procedure, we do test our enzymes and chemicals by formulating ourselves all the classical diagnostic reagents.

SORACHIM SA is ISO 9001:2015 certified by AFNOR Certification.



Our R&D team is always available in order to help our customers to set-up the reagents they want to produce and also to help them to solve any problem they could face during the production.

Our only goal: to be YOUR PARTNER and not a single supplier.



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## Key products for Clinical Chemistry Reagents

### Indicator reaction / Trinder system:

- 4-Aminoantipyrine (p.21)
- Phenol derivatives / chromogens (p.22-23)
- Peroxidase (p.17)

### Ascorbate interference removal:

- Ascorbate oxidase (p.9)

### ALT (Alanine aminotransferase):

- L-Alanine (p.19)
- $\alpha$ -Ketoglutaric acid (p.19)
- Lactate dehydrogenase (p.15)
- NADH (p.24)

### Alkaline phosphatase:

- p-Nitrophenylphosphate: PNPP (p.20)

### $\alpha$ -Amylase:

- Gal-G2- $\alpha$ -CNP (p.19)
- CNP-G3 (p.19)
- pNP-G7 (p.20)

### $\alpha$ -Amylase:

- Glucoamylase (p.12)
- $\alpha$ -Glucosidase (p.9)

### AST (Aspartate aminotransferase):

- L-Aspartic acid (p.19)
- $\alpha$ -Ketoglutaric acid (p.19)
- Malate dehydrogenase (p.16)
- NADH (p.24)

### Cholesterol:

- Cholesterol esterase (p.10)
- Cholesterol oxidase (p.10)

### Choline esterase:

- S-Butyrylthiocholine iodide (p.19)
- Protocatechuate 3,4-dioxygenase (p. 16)

### Creatine Kinase:

- Phosphocreatine disodium salt (p.19)
- ADP (p.24)
- Hexokinase (p.14)
- Glucose-6-phosphate dehydrogenase (p.12)
- NADP (p.24)



Creatinine PAP:

- Creatininase (p.10)
- Creatinase (p.11)
- Sarcosine oxidase (p.17)

Creatinine UV:

- Creatinine deiminase (p.10)
- Glutamate dehydrogenase (p.13)

Ethanol:

- Alcohol dehydrogenase (p.9)
- NAD (p.24)

Glucose PAP:

- Glucose oxidase (p.12)
- Mutarotase (p.16)

Glucose UV:

- Hexokinase (p.14)
- ATP (p.24)
- Glucose-6-phosphate dehydrogenase (p.12)
- NADP (p.24)



$\gamma$ GT:

- Glupa Carboxylate (p.19)
- Glycylglycine (p.19)

Lactate:

- Lactate oxidase (p.14)

Phospholipids:

- Phospholipase D (p.17)
- Choline oxidase (p.9)

Triglycerides:

- Lipoproteine lipase (p.15)
- Glycerol kinase (p.14)
- Glycerophosphate oxidase (p.11)
- ATP (p.24)

Uric acid:

- Uricase (p.18)

Urea:

- Urease (p.18)
- $\alpha$ -Ketoglutaric acid (p.19)
- NADH (p.24)

## Products for Hematology

### Lysing agents (p.27):

DDB-122 : Dodecyl Dimethylammonium Bromide  
DOD-300 : Dodecyl Trimethylammonium Bromide  
DMU-150C: 1,3-Dimethylurea  
DOC-392 : Dodecyl Trimethylammonium Chloride  
TTB-143 : Tetradecyl Triethylammonium Bromide

### Specific Buffers (p.25-26):

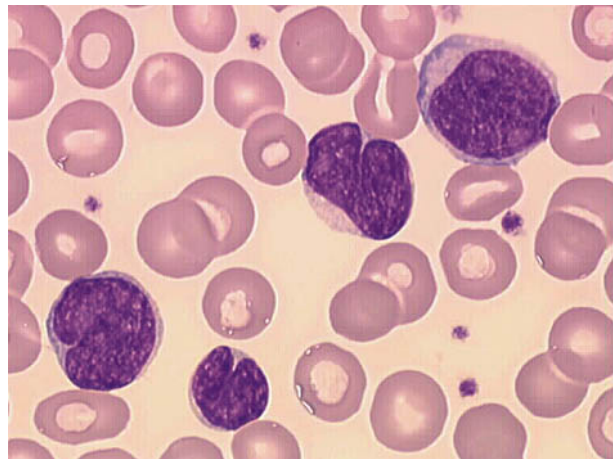
ADA: ADA-100  
BES-001: BES  
BTR-197C: Bis TRIS  
IMZ-50C: Imidazole  
MOPS: MOP-02C  
TES-0001: TES  
TRH-190C: TRIS HCl

### Preservatives (p.23):

BOA-001: Boric acid  
CTM-523C: Cetrimide  
DEC-970C : Citric acid  
DTO-585: 2,2'-Dithiobis(Pyridine-N-oxide)  
DTP-288: 2,2'-Dithiodipyridine  
PCN-272: Procaïne  
PYT-40C : Na Pyrithione  
SAZ-167C: Sodium azide

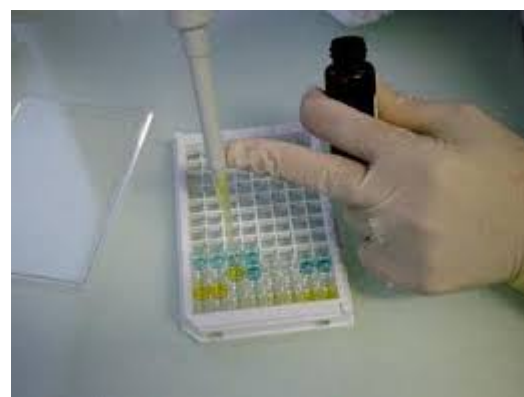
### Stains (p.31):

FUS-530: Basic Fuschin  
GSA-153: Giemsa's stain  
LSN-130: Leishman's stain  
MET-005: Methylene Blue  
WGT-130: Wright's stain



## Products for ELISA applications

Peroxidase (p.16)  
Alkaline Phosphatase (p15)  
TMB (p.23)  
Bovine Serum Albumin (p.29)  
BPF-301: Blocking Peptide Fragment (p.29)





## Products for Wine and Food Analysis

<u>Ammonia:</u>	<b>GTD-211:</b> Glutamate dehydrogenase from microorganism
<u>Ethanol:</u>	<b>ALD-001:</b> Alcohol dehydrogenase from Yeast
<u>Glucose, Fructose:</u>	<b>G6D-321:</b> Glucose-6- phosphate dehydrogenase from microorganism <b>HXK-311:</b> Hexokinase from Microorganism
<u>Glycerol:</u>	<b>GYD-301:</b> Glycerol dehydrogenase from Cellulomonas sp. <b>GYK-311:</b> Glycerol kinase from Microorganism <b>PYK-302L:</b> Pyruvate kinase <b>LLD-14C:</b> L-Lactate dehydrogenase from rabbit muscle
<u>Lactic acid:</u>	<b>GPT-30C:</b> Glutamic-pyruvate transaminase from Porcine heart <b>LLD-14C:</b> L-Lactate dehydrogenase from rabbit muscle <b>GLT-100:</b> Glutamic acid
<u>Lactose/Galactose:</u>	<b>GAH-201:</b> $\beta$ Galactosidase from E. coli
<u>Lactose/Sucrose:</u>	<b>IVH-101:</b> Invertase from Candida sp.
<u>Glucose</u>	<b>GAH-201:</b> $\beta$ Galactosidase from E. coli <b>GLO-202A:</b> Glucose oxidase from Aspergillus sp. <b>PEO-701:</b> Peroxidase from Horseradish
<u>Malic acid:</u>	<b>GOT-30C:</b> Glutamic-oxaloacetic transaminase from Porcine heart <b>MDH-18C:</b> L-Malate dehydrogenase from Pig heart <b>GLT-100:</b> Glutamic acid,

### Coenzymes:

**ATP-03C:** Adenosine 5' Triphosphate disodium salt trihydrate  
**AMP-02C:** Adenosine 5' Monophosphoric acid  
**COA-11C:** Coenzyme A Trilithium salt  
**BNH-208A:** NADH  
**BNA-207A:** NAD  
**BNP-209A:** NADP  
**BND-210C:** NADPH



## Top Actives for Cosmetic applications

### Skin conditioning

- Alkaline phosphatase
- Lactate dehydrogenase
- Lipoproteine lipase
- Peroxidase
- Protease
- Superoxide dismutase
- Bovine serum albumin
- L-Arginine HCl
- Caffeine
- Sodium pyruvate
- Sericine
- Glycylglycine



### Specific Moisturizers

- Phytopolyamine
- Ceramela
- AminoPGALE
- Caviar Collagen
- Chicken Collagen

### Many other actives and commodities are also available such as:

- Urease
- Glucose oxidase
- Elastin
- Thesit
- Saponin
- Imidazole
- EDTA

Please ask for our specific *Personal Care* catalogue for more detailed information.





## ENZYMES FOR DIAGNOSTIC & RESEARCH

CODES	PRODUCTS	EC #
AGH-211	<b><math>\alpha</math>-glucosidase</b> from Microorganism Activity: > 20 U/mg White amorphous powder Mw: 65,000 Store at -20 °C	3.2.1.20
ALD-001	<b>Alcohol dehydrogenase</b> from Yeast Activity: > 100 U/mg White powder Mw: 141,000 Store at -20 °C	1.1.1.1
ALP-101	<b>Alkalophilic proteinase</b> from Streptomyces sp. Activity: > 20 U/mg White amorphous powder Mw: 50,000 Store at -20 °C	3.4.21.-
ASO-301	<b>Ascorbate oxidase</b> from Cucumis sp. Activity: > 200 U/mg Light blue amorphous powder Mw: 132,000 Store at -20 °C	1.10.3.3
ASO-311	<b>Ascorbate oxidase</b> from Cucurbita sp. Activity: > 200 U/mg Light blue amorphous powder Mw: 140,000 Store at -20 °C	1.10.3.3
ASP-211	<b>Asparaginase</b> from E.coli Activity: > 100 U/mg White powder Mw: 31,700 Store at -20 °C	3.5.1.1
BGH-201	<b><math>\beta</math>-Glucosidase</b> from Sweet almond Activity: > 10 U/mg Light yellow amorphous powder Mw: 110,000 Store at -20 °C	3.2.1.21
CAO-02C	<b>Catalase</b> from Beef liver Activity: > 11700 U/mg Freeze-dried powder Mw: 250,000 Store at -20 °C	1.11.1.6
CAO-519	<b>Catalase</b> from Microorganism Activity: > 150,000 U/ml Olive green solution Mw: 250,000 Store at 2-8 °C	1.11.1.6
CHO-301	<b>Choline oxidase</b> from Alcaligenes sp. Activity: > 10 U/mg Yellowish amorphous powder Mw: 95,000 Store at -20 °C	1.1.3.17

## ENZYMES FOR DIAGNOSTIC & RESEARCH

CODES	PRODUCTS	EC #
CNH-211	<b>Creatininase</b> from <i>Pseudomonas</i> sp. Activity: > 450 U/mg White amorphous powder Mw: 175,000 Store at -20 °C	3.5.2.10
CNH-311	<b>Creatininase</b> from Microorganism Activity: > 150 U/mg White amorphous powder Mw: 175,000 Store at -20 °C	3.5.2.10
CNI-311	<b>Creatinine deiminase</b> from Microorganism Activity: > 10 U/mg White amorphous powder Mw: 260,000 Store at -20 °C	3.5.4.21
COE-05C	<b>Cholesterol esterase</b> from Porcine pancreas Activity: > 6 U/mg White amorphous powder Mw: 440,000 Store at -20 °C	3.1.1.13
COE-301	<b>Cholesterol esterase</b> from <i>Schizophyllum commune</i> Activity: > 2 U/mg Light brown amorphous powder Mw: 130,000 Store at -20 °C	3.1.1.13
COE-302	<b>Cholesterol esterase</b> from <i>Schizophyllum commune</i> Activity: > 2 U/mg Light brown amorphous powder Mw: 130,000 Store at -20 °C	3.1.1.13
COE-311	<b>Cholesterol esterase</b> from <i>Pseudomonas</i> sp. Activity: > 100 U/mg Light brown amorphous powder Mw: 300,000 Store at -20 °C	3.1.1.13
COE-313	<b>Cholesterol esterase</b> from Microorganism Activity: > 5 U/mg Light brown amorphous powder Store at -20 °C	3.1.1.13
COO-122S	<b>Cholesterol oxidase</b> from microorganism Activity: > 20 U/mg Yellow to brownish lyophilized powder Mw: 56,000 Store at -20 °C	1.1.3.6
COO-311	<b>Cholesterol oxidase</b> from <i>Streptomyces</i> sp. Activity: > 15 U/mg Yellowish amorphous powder Mw: 34,000 Store at -20 °C	1.1.3.6

## ENZYMES FOR DIAGNOSTIC & RESEARCH

CODES	PRODUCTS	EC #
COO-321	<b>Cholesterol oxidase</b> from microorganism Activity: > 12 U/mg Yellowish amorphous powder Mw: 55,000 Store at -20 °C	1.1.3.6
COO-331	<b>Cholesterol oxidase</b> from microorganism Activity: > 12 U/mg Yellowish amorphous powder Mw: 55,000 Store at -20 °C	1.1.3.6
CRH-211	<b>Creatinase</b> from Actinobacillus sp. Activity: > 6 U/mg White amorphous powder Mw: 100,000 Store at -20 °C	3.5.3.3
CRH-221	<b>Creatinase</b> from microorganism Activity: > 4 U/mg White amorphous powder Mw: 67,000 Store at -20 °C	3.5.3.3
CRH-229	<b>Creatinase</b> from microorganism Activity: > 2,000 U/ml Clear solution Mw: 67,000 Store at 2-8 °C	3.5.3.3
DAD-301	<b>Diaphorase</b> from Clostridium sp. Activity: > 30 U/mg Yellowish amorphous powder Mw: 24,000 Store at -20 °C	1.6.99.-
DAD-311	<b>Diaphorase</b> from Microorganism Activity: > 500 U/mg Yellowish amorphous powder Mw: 24,000 Store at -20 °C	1.6.99.-
FCD-302	<b>D-Fructose dehydrogenase</b> from Gluconobacter sp. Activity: > 20 U/mg Red-yellowish amorphous powder Mw: 140,000 Store at -20 °C	1.1.99.11
FRD-201	<b>Formaldehyde dehydrogenase</b> from Pseudomonas sp. Activity: > 1 U/mg White amorphous powder Mw: 150,000 Store at -20 °C	1.2.1.46
G3O-301	<b>L-<math>\alpha</math> Glycerophosphate oxidase</b> from Pediococcus sp. Activity: > 40 U/mg Yellowish amorphous powder Mw: 76,000 Store at -20 °C	1.1.3.21

## ENZYMES FOR DIAGNOSTIC & RESEARCH

CODES	PRODUCTS	EC #
G3O-311	<b>L-<math>\alpha</math> Glycerophosphate oxidase</b> from microorganism Activity: > 15 U/mg Yellowish amorphous powder Mw: 93,000 Store at -20 °C	1.1.3.21
G3O-321	<b>L-<math>\alpha</math> Glycerophosphate oxidase</b> from microorganism Activity: > 15 U/mg Yellowish amorphous powder Mw: 67,000 Store at -20 °C	1.1.3.21
G6D-311	<b>Glucose-6- phosphate dehydrogenase</b> from <i>Leuconostoc mesenteroides</i> Activity: > 400 U/mg White amorphous powder Mw: 104,000 Store at -20 °C	1.1.1.49
G6D-321	<b>Glucose-6- phosphate dehydrogenase</b> from microorganism Activity: > 200 U/mg White amorphous powder Mw: 140,000 Store at -20 °C	1.1.1.49
GAH-201	<b><math>\beta</math>-Galactosidase</b> from <i>Escherichia coli</i> Activity: > 500 U/mg White amorphous powder Mw: 540,000 Store at -20 °C	3.2.1.23
GLA-111	<b>Glucoamylase</b> from <i>Rhizopus</i> sp. Activity: > 30 U/mg White amorphous powder Mw: 70,000 Store at -20 °C	3.2.1.3
GLD-311	<b>Glucose dehydrogenase (NAD(P)-dependent)</b> from Microorganism Activity: > 250 U/mg White amorphous powder Mw: 101,000 Store at -20 °C	1.1.1.47
GLD-321	<b>Glucose dehydrogenase (PQQ-dependent)</b> from Microorganism Activity: > 500 U/mg Purple amorphous powder Mw: 100,000 Store at -20 °C	1.1.5.2
GLD-351	<b>Glucose dehydrogenase (FAD-dependent)</b> from Microorganism Activity: > 500 U/mg Yellow amorphous powder Mw: 115,000 Store at -20 °C	1.1.99.17
GLO-101	<b>Glucose oxidase</b> from <i>Aspergillus</i> sp. Activity: > 180 U/mg Yellowish amorphous powder Mw: 153,000 Store at -20 °C	1.1.3.4

## ENZYMES FOR DIAGNOSTIC & RESEARCH

CODES	PRODUCTS	EC #
GLO-201	<b>Glucose oxidase</b> from <i>Aspergillus</i> sp. Activity: > 100 U/mg Yellowish amorphous powder Mw: 153,000 Store at -20 °C	1.1.3.4
GLO-202A	<b>Glucose oxidase</b> from <i>Aspergillus</i> sp. Activity: > 250 U/mg Yellowish amorphous powder Mw: 153,000 Store at -20 °C	1.1.3.4
GLO-2015	<b>Glucose oxidase</b> from <i>Aspergillus</i> sp. Activity: > 160 U/mg Yellowish amorphous powder Mw: 153,000 Store at -20 °C	1.1.3.4
GLU-080	<b>Glutaminase</b> from <i>E. coli</i> Activity: > 50 U/mg Yellow to green lyophilized powder Mw: 110,000 Store at -20 °C	3.5.1.2
GOT-30C	<b>Glutamic-oxaloacetic transaminase</b> from Porcine heart Activity: > 50 U/mg Yellow-green amorphous powder Mw: 92,000 Store at -20 °C	2.6.1.1
GPT-30C	<b>Glutamic-pyruvate transaminase</b> from Porcine heart Activity: > 70 U/mg Yellow-green amorphous powder Mw: 100,000 Store at -20 °C	2.6.1.2
GTD-07C	<b>Glutamate dehydrogenase</b> from Beef liver Activity: > 10 U/mg White to light yellow amorphous powder Store at -20 °C	1.4.1.3
GTD-209	<b>Glutamate dehydrogenase (NADP dependent)</b> from <i>Proteus</i> sp. Activity: > 9000 U/ml Tris-HCl buffer solution Mw: 300,000 Store at 2-8 °C	1.4.1.4
GTD-309	<b>Glutamate dehydrogenase (NADP dependent)</b> from <i>Proteus</i> sp. Activity: > 9000 U/ml Tris-HCl buffer solution Mw: 300,000 Store at 2-8 °C	1.4.1.4
GTD-211	<b>Glutamate dehydrogenase (NAD dependent)</b> from Microorganism Activity: > 100 U/mg White amorphous powder Mw: 260,000 Store at -20 °C	1.4.1.2

## ENZYMES FOR DIAGNOSTIC & RESEARCH

CODES	PRODUCTS	EC #
GTO-129	<b>L-Glutamate oxidase</b> from <i>Streptomyces</i> sp. Activity: > 5 U/mg Lyophilized powder Mw: 140,000 Store at -20 °C	1.4.3.11
GYD-301	<b>Glycerol dehydrogenase</b> from <i>Cellulomonas</i> sp. Activity: > 50 U/mg White amorphous powder Mw: 390,000 Store at -20 °C	1.1.1.6
GYK-301	<b>Glycerol kinase</b> from <i>Cellulomonas</i> sp. Activity: > 20 U/mg White amorphous powder Mw: 128,000 Store at -20 °C	2.7.1.30
GYK-311	<b>Glycerol kinase</b> from Microorganism Activity: > 30 U/mg White amorphous powder Mw: 220,000 Store at -20 °C	2.7.1.30
HBD-301	<b>D-3-Hydroxybutyrate dehydrogenase</b> from <i>Pseudomonas</i> sp. Activity: > 100 U/mg White amorphous powder Mw: 130,000 Store at -20 °C	1.1.1.30
HBH-311	<b>p-Hydroxybenzoate hydroxylase</b> from Microorganism Activity: > 20 U/mg Yellowish amorphous powder Mw: 57,000 Store at -20 °C	1.14.13.2
H XK-311	<b>Hexokinase</b> from Microorganism Activity: > 150 U/mg White amorphous powder Mw: 82,000 Store at -20 °C	2.7.1.1
IVH-101	<b>Invertase</b> from <i>Candida</i> sp. Activity: > 100 U/mg White amorphous powder Mw: 260,000 Store at -20 °C	3.2.1.26
LAX-18C	<b>Lactate oxidase</b> from Microorganism Activity: > 20 U/mg Yellowish amorphous powder Mw: 160,000 Store at -20 °C	1.13.12.4 (ex 1.1.3.2)
LCD-209	<b>L-Lactate dehydrogenase</b> from Pig heart Activity: > 2000 U/ml Ammonium sulfate suspension Mw: 115,000 Store at 2-8 °C	1.1.1.27



## ENZYMES FOR DIAGNOSTIC & RESEARCH

CODES	PRODUCTS	EC #
LCD-211	<b>D-Lactate dehydrogenase</b> from Microorganism Activity: > 400 U/mg White amorphous powder Mw: 140,000 Store at -20 °C	1.1.1.28
LCD-221	<b>D-Lactate dehydrogenase</b> from Microorganism Activity: > 900 U/mg White amorphous powder Mw: 140,000 Store at -20 °C	1.1.1.28
LCD-322	<b>D-Lactate dehydrogenase</b> from Microorganism Activity: > 600 U/mg White amorphous powder Mw: 140,000 Store at -20 °C	1.1.1.28
LCO-301	<b>Lactate oxidase</b> from Microorganism Activity: > 80 U/mg Yellowish amorphous powder Mw: 160,000 Store at -20 °C	1.13.12.4 (ex 1.1.3.2)
LED-201	<b>Leucine dehydrogenase</b> from Bacillus sp. Activity: > 20 U/mg White amorphous powder Mw: 245,000 Store at -20 °C	1.4.1.9
LLD-14C	<b>Lactate dehydrogenase</b> from rabbit muscle Activity: > 331 U/mg White amorphous powder Store at -20°C	1.1.1.27
LPL-311	<b>Lipoproteine lipase</b> from Pseudomonas sp. Activity: > 20 U/mg Light brown amorphous powder Mw: 134,000 Store at -20 °C	3.1.1.34
LPL-314	<b>Lipoproteine lipase</b> from Microorganism Activity: > 1 U/mg Light brown amorphous powder Mw: 134,000 Store at -20 °C	3.1.1.34
LPL-322	<b>Lipoproteine lipase</b> “chemically stabilized” from Microorganism Activity: > 12 U/mg Light brown amorphous powder Mw: 134,000 Store at -20 °C	3.1.1.34
LPP-229	<b>Alkaline phosphatase</b> from Calf intestine Activity: > 3,000 U/ml Transparent liquid Mw: 100,000 Store at 2-8 °C	3.1.3.1

## ENZYMES FOR DIAGNOSTIC & RESEARCH

CODES	PRODUCTS	EC #
MAD-211	<b>Malate dehydrogenase</b> from Microorganism Activity: > 40 U/mg Yellowish amorphous powder Mw: 140,000 Store at -20 °C	1.1.1.37
MDH-18C	<b>Malate dehydrogenase</b> from Pig heart Activity: > 1250 U/mg prot. White amorphous powder Mw: 140,000 Store at -20 °C	1.1.1.37
MAD-322	<b>Malate dehydrogenase recombinant</b> from Microorganism Activity: > 60 U/mg White amorphous powder Mw: 140,000 Store at -20 °C	1.1.1.37
MUT-12C	<b>Mutarotase</b> from Porcine kidney Activity: > 1000 U/ml Ammonium sulfate suspension Mw: 40,000 Store at 2-8 °C	5.1.3.3
NAL-301	<b>N-Acetylneuraminic acid aldolase</b> from Microorganism Activity: > 15 U/mg Yellowish amorphous powder Mw: 98,000 Store at -20 °C	4.1.3.3
PCO-302	<b>Protocatechuate 3,4-dioxygenase</b> from Pseudomonas sp. Activity: > 3.0 U/mg Light brown amorphous powder Mw: 600,000 Store at -20 °C	1.13.11.3
PEO-131	<b>Peroxidase</b> from Horseradish, Grade I Activity: > 250 U/mg, RZ > 3.0 Reddish-brown amorphous powder Mw: 40,000 Store at -20 °C	1.11.1.7
PEO-301	<b>Peroxidase</b> from Horseradish, Grade III Activity: > 110 U/mg, RZ > 2.0 Reddish-brown amorphous powder Mw: 40,000 Store at -20 °C	1.11.1.7
PEO-302	<b>Peroxidase</b> from Horseradish, Grade III Activity: > 180 U/mg, RZ > 2.0 Reddish-brown amorphous powder Mw: 40,000 Store at -20 °C	1.11.1.7

## ENZYMES FOR DIAGNOSTIC & RESEARCH

CODES	PRODUCTS	EC #
PEO-311	<b>Peroxidase</b> from Horseradish Activity: > 60 U/mg, RZ > 0.6 Reddish-brown amorphous powder Mw: 40,000 Store at -20 °C	1.11.1.7
PEO-312	<b>Peroxidase</b> from Horseradish Activity: > 110 U/mg, RZ > 1 Reddish-brown amorphous powder Mw: 40,000 Store at -20 °C	1.11.1.7
PEO-701	<b>Peroxidase</b> from Horseradish Activity: > 60 U/mg, RZ > 0.6 Reddish-brown amorphous powder Mw: 40,000 Store at -20 °C	1.11.1.7
PHO-12C	<b>Phospholipase D</b> from <i>Streptomyces chromofuscus</i> Activity: > 40 U/mg Brown amorphous powder Mw: 57,000 Store at -20 °C	3.1.4.4
PNP-311	<b>Purine-nucleoside phosphorylase</b> from Microorganism Activity: > 15 U/mg White amorphous powder Mw: 120,000 Store at -20 °C	2.4.2.1
PPC-301	<b>Phosphoenolpyruvate carboxylase</b> from Microorganism Activity: > 5 U/mg White amorphous powder Mw: 390,000 Store at -20 °C	4.1.1.31
PSP-101	<b>Proline specific endopeptidase</b> from <i>Flavobacterium</i> sp. Activity: > 5 U/mg White amorphous powder Mw: 78,000 Store at -20 °C	3.4.21.26
PYK-302L	<b>Pyruvate kinase</b> from Rabbit muscle Activity: > 2,000 U/ml White ammonium sulphate suspension Mw: 237,000 Store at 2 - 8 °C	2.7.1.40
PYO-311	<b>Pyruvate oxidase</b> from Microorganism Activity: > 1.5 U/mg Yellowish amorphous powder Mw: 260,000 Store at -20 °C	1.2.3.3
SAO-351	<b>Sarcosine oxidase</b> from Microorganism Activity: > 8 U/mg Yellowish amorphous powder Mw: 43,000 Store at -20 °C	1.5.3.1

## ENZYMES FOR DIAGNOSTIC & RESEARCH

CODES	PRODUCTS	EC #
SOD-302	<b>Superoxide dismutase</b> from Bovine erythrocyte Activity: > 3000 U/mg Bluish-green amorphous powder Mw: 32,000 Store at -20 °C	1.15.1.1
UAO-201	<b>Uricase</b> from Candida sp. Activity: > 4 U/mg White amorphous powder Mw: 120,000 Store at -20 °C	1.7.3.3
UAO-211	<b>Uricase</b> from Bacillus sp. Activity: > 1.5 U/mg White amorphous powder Mw: 150,000 Store at -20 °C	1.7.3.3
URH-10S	<b>Urease</b> from Jack bean Activity: > 220 U/mg White amorphous powder Mw: 480,000 Store at -20 °C	3.5.1.5
URH-16C	<b>Urease G</b> from Jack bean Activity: > 150 U/mg White amorphous powder Mw: 480,000 Store at -20 °C	3.5.1.5
URH-201	<b>Urease</b> from Jack bean Activity: > 100 U/mg White amorphous powder Mw: 480,000 Store at -20 °C	3.5.1.5
XTO-212	<b>Xanthine oxidase</b> from Microorganism Activity: > 10 U/mg Reddish-brown amorphous powder Mw: 160,000 Store at -20 °C	1.1.3.22

## SUBSTRATES / ANTIGENS FOR DIAGNOSTIC & RESEARCH

CODES	PRODUCTS	CAS #
AKE-05C	<b><math>\alpha</math> -Ketoglutaric acid, disodium salt dihydrate</b> C <sub>5</sub> H <sub>4</sub> O <sub>5</sub> Na <sub>2</sub> .2H <sub>2</sub> O - Mw : 226.10 White powder - Purity : > 98%	305-72-6
AKE-115C	<b><math>\alpha</math> -Ketoglutaric free acid</b> C <sub>5</sub> H <sub>6</sub> O <sub>5</sub> - Mw : 146.10 White powder - Purity : > 99%	328-50-7
BTC-06	<b>S-Butyrylthiocholine Iodide</b> C <sub>9</sub> H <sub>20</sub> NOSI - Mw : 317.23 White powder - Purity : > 97%	1866-16-6
CNP-003	<b>CNP-G3</b> - 2-Chloro-4-nitrophenyl maltotrioside C <sub>24</sub> H <sub>34</sub> O <sub>18</sub> ClN - Mw : 660.12 Off-white to pale yellow powder - Purity : > 95 %	118291-90-0
CNP-005	<b>Gal-G2-<math>\alpha</math>-CNP</b> C <sub>28</sub> H <sub>51</sub> O <sub>18</sub> Cl - Mw : 659.98 White powder - Purity : > 90 %	157381-11-8
CRP-59C	<b>Phosphocreatine disodium salt tetrahydrate</b> C <sub>4</sub> H <sub>8</sub> N <sub>3</sub> O <sub>5</sub> PN <sub>a2</sub> .4H <sub>2</sub> O - Mw : 327.15 White powder - Purity : > 97 %	922-32-7
GGC-106C	<b>Glycylglycine</b> C <sub>4</sub> H <sub>8</sub> N <sub>2</sub> O <sub>3</sub> - Mw : 132.12 White powder - Purity : > 98 %	556-50-3
GLT-100	<b>L-Glutamic acid</b> C <sub>5</sub> H <sub>9</sub> NO <sub>4</sub> - Mw: 147.13 White powder - Purity: > 99 %	617-65-2
GPS-15C	<b>Glucose-6-phosphate disodium salt</b> C <sub>6</sub> H <sub>11</sub> O <sub>9</sub> PN <sub>a2</sub> - Mw : 304.20 White powder - Purity : > 95 %	3671-99-6
LAC-171C	<b>DL-Lactic acid Lithium salt</b> C <sub>3</sub> H <sub>5</sub> O <sub>3</sub> Li - Mw: 96.01 White powder - Purity: > 95 %	16891-53-5
LAL-29C	<b>L-Alanine free acid</b> C <sub>3</sub> H <sub>7</sub> NO <sub>2</sub> - Mw : 89.09 White powder - Purity : > 99 %	56-41-7
LAP-41C	<b>L-Aspartic acid</b> C <sub>4</sub> H <sub>7</sub> NO <sub>4</sub> Mw : 133.10 White powder - Purity : > 99 %	56-84-8
LAP-42C	<b>L-Aspartic acid, sodium salt monohydrate</b> C <sub>4</sub> H <sub>6</sub> NO <sub>4</sub> Na.H <sub>2</sub> O - Mw : 173.10 White powder - Purity : > 98 %	323194-76-9
LAP-43C	<b>L-Aspartic acid, magnesium salt dihydrate</b> C <sub>8</sub> H <sub>12</sub> N <sub>2</sub> O <sub>8</sub> Mg.2H <sub>2</sub> O - MW : 324.50 White powder - Purity : > 98 %	2068-80-6

## SUBSTRATES / ANTIGENS FOR DIAGNOSTIC & RESEARCH

CODES	PRODUCTS	CAS
LGC-244C	<b>Glupa C</b> - L- $\gamma$ -Glutamyl-3-carboxy-4-nitranilide C <sub>12</sub> H <sub>12</sub> N <sub>3</sub> O <sub>7</sub> NH <sub>4</sub> - Mw : 328.30 Yellow powder - Purity : > 99 %	63699-78-5
NAY-138C	<b>Naphtyl phosphate, monosodium salt</b> C <sub>10</sub> H <sub>8</sub> NaO <sub>4</sub> P.H <sub>2</sub> O - Mw : 264.15 White powder - Purity : > 98 %	81012-89-7
PG7-01C	<b>pNP-G7</b> - Ethylidene-4-nitrophenyl- $\alpha$ -D-maltoheptaoside C <sub>50</sub> H <sub>77</sub> NO <sub>38</sub> - Mw : 1300.10 Yellowish powder - Purity : > 90 %	96597-16-9
PNP-264C	<b>PNPP</b> - p-Nitrophenylphosphate, disodium salt hexahydrate C <sub>6</sub> H <sub>4</sub> NO <sub>6</sub> PNa <sub>2</sub> .6H <sub>2</sub> O - Mw : 371.10 White to yellow powder - Purity : > 98 %	4264-83-9
PNS-265C	<b>PNPP diTris</b> - p-Nitrophenylphosphate, ditris salt C <sub>14</sub> H <sub>28</sub> N <sub>3</sub> O <sub>12</sub> P - Mw : 461.40 White powder	68189-42-4
PYR-100	<b>Sodium pyruvate</b> C <sub>3</sub> H <sub>3</sub> NaO <sub>3</sub> - Mw : 110 White powder - Purity : > 99 %	113-24-6
SLO-151M	<b>Streptolysin O</b> from recombinant E. coli Mw: 69,000 Clear liquid - Purity: > 95 %	-
SLO-301	<b>Streptolysin O</b> from microorganism Mw: 58,000 White powder - Purity: > 90 %	-



## CHROMOGENS & COLORING AGENTS FOR DIAGNOSTIC & RESEARCH

CODES	PRODUCTS	CAS #
ADP-001	<b>ADPS</b> - N-Ethyl-N-(3-sulfopropyl)-3-methoxyaniline,sodium salt, monohydrate C <sub>12</sub> H <sub>18</sub> NO <sub>4</sub> SNa.H <sub>2</sub> O - Mw : 313.35 White powder	82611-88-9
AMA-32C	<b>Aminoantipyrine</b> C <sub>11</sub> H <sub>13</sub> N <sub>3</sub> O - Mw : 203.25 Yellow powder - Purity : > 98 %	83-07-8
ARS-100	<b>Arsenazo III</b> - 2,2'-(1,8-Dihydroxy-3,6-disulfonaphthylene-2,7-bisazo)bisbenzenearsonic acid C <sub>22</sub> H <sub>18</sub> As <sub>2</sub> N <sub>4</sub> O <sub>14</sub> S <sub>2</sub> - Mw : 776.40 Brown powder - Purity : > 85 %	1668-00-4
CO-11	<b>Chromazurol B</b> 2,6-Dichloro-4'-hydroxy-3'3''-dimethylfuchsone-5',5''-dicarboxylic acid, disodium salt C <sub>23</sub> H <sub>14</sub> Cl <sub>2</sub> Na <sub>2</sub> O <sub>6</sub> - Mw : 503.24 Reddish-brown powder	1796-92-5
DDT-001	<b>Dichlorophenyl Diazonium Tetrafluoroborate</b> C <sub>6</sub> H <sub>3</sub> Cl <sub>2</sub> N <sub>2</sub> BF <sub>4</sub> - Mw : 260.80 Tan powder	350-67-4
DHB-236C	<b>DHBS</b> - 3,5-Dichloro-2-Hydroxy-Benzenesulfonic acid, sodium salt C <sub>6</sub> H <sub>3</sub> Cl <sub>2</sub> O <sub>4</sub> SNa - Mw : 265.05 White powder - Purity : > 98 %	54970-72-8
DMS-001	<b>DMSO</b> - Dimethyl Sulfoxide C <sub>2</sub> H <sub>6</sub> SO - Mw : 78.13 Clear liquid - Purity : > 99 %	67-68-5
FEO-242C	<b>Ferrozine</b> - 5,6-Diphenyl-3-(2-pyridyl)-1,2,4-triazine-4',4''-disulfonic acid sodium salt C <sub>20</sub> H <sub>13</sub> N <sub>4</sub> O <sub>6</sub> S <sub>2</sub> Na - Mw : 492.46 Yellow powder - Purity : > 95 %	69898-45-9
FER-240C	<b>Ferene</b> - 5,5'-[3-(2-Pyridyl)-1,2,4-triazine-5,6-diyl]difuran-2-sulfonic acid disodium salt C <sub>16</sub> H <sub>8</sub> N <sub>4</sub> O <sub>8</sub> S <sub>2</sub> Na <sub>2</sub> - Mw : 494 Yellow powder	79551-14-7
FTR-140C	<b>Fast Red TR hemi(zinc chloride) salt</b> C <sub>7</sub> H <sub>6</sub> Cl <sub>2</sub> N <sub>2</sub> · 1/2ZnCl <sub>2</sub> - Mw : 257.20 Off-white powder - Purity : > 99 %	89453-69-0
NBT-139C	<b>NBT</b> - Nitro blue tetrazolium chloride C <sub>40</sub> H <sub>30</sub> Cl <sub>2</sub> N <sub>10</sub> O <sub>6</sub> - Mw : 817.65 Dark-yellow powder - Purity : > 89 %	298-83-9
NEO-747	<b>Neocuproine HCl monohydrate</b> C <sub>14</sub> H <sub>13</sub> N <sub>2</sub> Cl.H <sub>2</sub> O - Mw : 262.73 White powder - Purity : > 99 %	7296-20-0

## CHROMOGENS & COLORING AGENTS FOR DIAGNOSTIC & RESEARCH

CODES	PRODUCTS	CAS #
NNP-251C	<b>Nitro-PAPS</b> 2-(5-Nitro-2-pyridylazo)-5-(N-n-propyl-N-(3-sulfopropyl)amino)phenol, disodium salt, dihydrate $C_{17}H_{19}N_5Na_2O_6S \cdot 2H_2O$ - Mw : 503.45 Dark green-brown powder - Purity : > 90 %	143205-66-7
N 010	<b>Nitroso-PSAP</b> - 2-Nitroso-5-(N-n-propyl-N-(3-sulfopropyl)amino)phenol $C_{12}H_{18}N_2O_5S$ - Mw : 302.35 Yellow powder - Purity : > 97 %	80459-15-0
OC-08	<b>HDAOS</b> - N-(2-hydroxy-3-sulfopropyl)-3,5-dimethoxyaniline, sodium salt $C_{11}H_{16}NO_6SNa$ - Mw : 313.30 White powder - Purity : > 99 %	82692-88-4
DO-41	<b>3,5-DiBr-PAESA</b> 4-(3,5-Bromo-2-pyridylazo)-N-ethyl-N-(3-sulfopropyl)aniline, monosodium salt, monohydrate $C_{16}H_{17}Br_2N_4NaO_3S \cdot H_2O$ - Mw : 546.21 Reddish-brown powder	100743-65-5
BO26	<b>5-Br-PAPS</b> 2-(5-Bromo-2-pyridylazo)-5-(N-n-propyl-N-(3-sulfopropyl)amino)phenol, disodium salt, dihydrate $C_{17}H_{19}BrN_4Na_2O_4S \cdot 2H_2O$ - Mw : 537.34 Orange powder	81608-06-2
PCN-003	<b>Potassium ferricyanide</b> - Potassium hexacyanoferrate III $C_6FeK_3N_6$ - Mw : 329.26 Orange to deep-red powder - Purity : > 99 %	13746-66-2
PHC-22C	<b>4-Chlorophenol</b> $C_6H_5ClO$ - Mw : 128.56 White powder - Purity : > 98 %	106-48-9
PHC-150C	<b>Phenol</b> $C_6H_6O$ - Mw : 94.11 White crystals - Purity : > 99 %	108-95-2
PSA-05C	<b>5-Br-PSAA</b> 2-(5-Bromo-2-pyridylazo)-5-(N-n-propyl-N-(3-sulfopropyl)amino)aniline, sodium salt $C_{17}H_{21}BrN_5NaO_3S$ - Mw : 478.34 Orange powder	86035-60-7
SNP-500	<b>Sodium nitroprussiate dihydrate</b> - sodium nitroferricyanide $C_5FeN_6Na_2O \cdot 2H_2O$ - Mw : 297.95 Red crystals - Purity : > 99 %	13755-38-9
SSA-102	<b>Sodium salicylate</b> $C_7H_5O_3Na$ - Mw : 160.10 White powder	54-21-7
SUL-100	<b>Sulfanilic acid</b> $C_6H_7NO_3S$ - Mw : 173.19 Light grey powder - Purity : > 99 %	121-57-3
TBH-100	<b>TBHBA</b> - Tri Bromo Hydroxybenzoic acid $C_7H_3O_3Br_3$ - Mw : 374.81 White powder - Purity : > 99 %	14348-40-4

## CHROMOGENS & COLORING AGENTS FOR DIAGNOSTIC & RESEARCH

THB-11C	<b>THBA</b> - 2,4,6-Trihydroxybenzoic acid C <sub>7</sub> H <sub>6</sub> O <sub>5</sub> - Mw : 170.12 Beige powder - Purity : > 95 %	83-30-7
THB-99C	<b>HTIB</b> - Tri Iodo Hydroxybenzoic acid C <sub>7</sub> H <sub>3</sub> O <sub>3</sub> I <sub>3</sub> - Mw : 515.78 White powder	53279-72-4
TMB-185C	<b>TMB</b> - Tetramethylbenzidine 3,3',5,5' C <sub>16</sub> H <sub>2</sub> ON <sub>2</sub> - Mw : 240.34 White powder - Purity : > 99 %	54827-17-7
TOO-220C	<b>TOOS</b> - N-Ethyl-N-(2-hydroxy-3-sulfopropyl)-3-methylaniline, sodium salt, dihydrate C <sub>12</sub> H <sub>18</sub> O <sub>4</sub> NNaS.2H <sub>2</sub> O - Mw : 331.36 White powder - Purity : > 98 %	82692-93-1
OC-14	<b>TOPS</b> - N-Ethyl-N-(3-sulfopropyl)-3-methylaniline, sodium salt, monohydrate C <sub>12</sub> H <sub>18</sub> O <sub>3</sub> NNaS.H <sub>2</sub> O - Mw : 297.34 White powder - Purity : > 98 %	40567-80-4

## PRESERVATIVES, ANTIBIOTICS AND BIOCIDES

CODES	PRODUCTS	CAS #
BEN-45C	<b>Benzoic acid</b> C <sub>7</sub> H <sub>6</sub> O <sub>2</sub> - Mw : 122.12 White powder - Purity : > 99 %	65-85-0
BOA-001	<b>Boric acid</b> H <sub>3</sub> BO <sub>3</sub> - Mw : 61.83 Solid - Purity : > 99 %	10043-35-3
CHL-001	<b>Chloramphenicol</b> C <sub>11</sub> H <sub>12</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>5</sub> - Mw : 323.14 Yellowish powder - Purity : > 98 %	56-75-7
DEC-970C	<b>Citric acid monohydrate</b> C <sub>6</sub> H <sub>8</sub> O <sub>7</sub> .H <sub>2</sub> O - Mw : 210.14 White powder - Purity : > 99 %	5949-29-1
GNE-150C	<b>Gentamicin sulfate</b> C <sub>41</sub> H <sub>86</sub> N <sub>10</sub> O <sub>18</sub> S - Mw : 1039.20 White powder - Purity : > 590 IU/mg	1405-41-0
HXQ-10L	<b>8-Hydroxyquinoline</b> C <sub>9</sub> H <sub>7</sub> NO - Mw : 145.16 White powder - Purity : > 99 %	148-24-3
MIT-150C	<b>MIT HCl</b> - 2-Methyl-4-isothiazolin-3-one Hydrochloride C <sub>4</sub> H <sub>6</sub> NOSCl - Mw: 151.61 White powder	26172-54-3
PPC- 101C	<b>Piperacillin sodium</b> C <sub>23</sub> H <sub>26</sub> N <sub>5</sub> NaO <sub>7</sub> S - Mw : 539.54 White powder	59703-84-3
PYT-40C	<b>Sodium pyrithione</b> C <sub>5</sub> H <sub>4</sub> NOSNa - Mw : 149.15 Yellow-brown liquid - Purity : ~40 %	3811-73-2
SAZ-167C	<b>Sodium azide</b> NaN <sub>3</sub> - Mw : 65.02 White powder - Purity : > 99 %	26628-22-8

## COENZYMES FOR DIAGNOSTIC & RESEARCH

CODES	PRODUCTS	CAS #
ADP-01C	<b>ADP-K.2H<sub>2</sub>O</b> - Adenosine 5'-diphosphate monopotassium salt dihydrate C <sub>10</sub> H <sub>14</sub> N <sub>5</sub> O <sub>10</sub> P <sub>2</sub> K.2H <sub>2</sub> O - Mw : 501.30 White powder - Purity : > 95 %	72696-48-1
ADP-22C	<b>ADP-Na<sub>2</sub></b> - Adenosine 5'-diphosphate disodium salt C <sub>10</sub> H <sub>13</sub> N <sub>5</sub> O <sub>10</sub> P <sub>2</sub> Na <sub>2</sub> - Mw : 471.20 White powder - Purity : > 98 %	16178-48-6
AMP-02C	<b>AMP</b> - Adenosine 5'-monophosphoric acid C <sub>10</sub> H <sub>14</sub> N <sub>5</sub> O <sub>7</sub> P.H <sub>2</sub> O - Mw : 365.20 White powder - Purity : > 98 %	18422-05-4
AMP-05C	<b>AMP-Na<sub>2</sub></b> - Adenosine 5'-monophosphate disodium salt C <sub>10</sub> H <sub>12</sub> N <sub>5</sub> O <sub>7</sub> PNa <sub>2</sub> - Mw: 391.18 White powder - Purity: > 95 %	4578-31-8
ATP-03C	<b>ATP-Na<sub>2</sub>.3H<sub>2</sub>O</b> - Adenosine 5'-triphosphate disodium salt trihydrate C <sub>10</sub> H <sub>14</sub> N <sub>5</sub> Na <sub>2</sub> O <sub>13</sub> P <sub>3</sub> .3H <sub>2</sub> O - Mw : 605.19 White powder - Purity : > 96 %	987-65-5
<b>BNA-207A</b>	<b>NAD</b> - β-Nicotinamide-adenine dinucleotide C <sub>21</sub> H <sub>27</sub> N <sub>7</sub> O <sub>14</sub> P <sub>2</sub> - Mw : 663.4 White powder - Purity : > 98 %	53-84-9
BND-210C	<b>NADPH-Na<sub>4</sub></b> β-Nicotinamide-adenine dinucleotide phosphate, reduced tetrasodium salt C <sub>21</sub> H <sub>26</sub> N <sub>7</sub> O <sub>17</sub> P <sub>3</sub> .Na <sub>4</sub> - Mw : 833.40 White powder - Purity : > 93 %	2646-71-1
<b>BNH-208A</b>	<b>NADH-Na<sub>2</sub></b> - β-Nicotinamide-adenine dinucleotide, reduced disodium salt C <sub>21</sub> H <sub>27</sub> N <sub>7</sub> P <sub>2</sub> O <sub>14</sub> Na <sub>2</sub> - Mw : 709.40 White to yellowish powder - Purity : > 98 %	606-68-8
<b>BNP-209A</b>	<b>NADP-Na<sub>2</sub></b> - β-Nicotinamide-adenine dinucleotide phosphate disodium salt C <sub>21</sub> H <sub>26</sub> N <sub>7</sub> O <sub>17</sub> P <sub>3</sub> Na <sub>2</sub> - Mw : 787.40 Yellowish powder - Purity : > 98 %	24292-60-2
BNP-209C	<b>NADP-Na<sub>2</sub></b> - β-Nicotinamide-adenine dinucleotide phosphate disodium salt C <sub>21</sub> H <sub>26</sub> N <sub>7</sub> O <sub>17</sub> P <sub>3</sub> Na <sub>2</sub> - Mw : 787.40 White to yellowish powder - Purity : > 97 %	24292-60-2
COA-11C	<b>Coenzyme A trilithium salt</b> C <sub>21</sub> H <sub>33</sub> Li <sub>3</sub> N <sub>16</sub> O <sub>7</sub> P <sub>3</sub> S - Mw : 785.40 White powder - Purity : > 85 %	18439-24-2
DAD-631C	<b>Ap<sub>5</sub>A-Li<sub>3</sub></b> - P <sup>1</sup> ,P <sup>5</sup> -Di(adenosine -5'-)pentaphosphate trilithium salt C <sub>20</sub> H <sub>26</sub> N <sub>10</sub> O <sub>22</sub> P <sub>5</sub> Li <sub>3</sub> - Mw : 934.20 Yellowish powder - Purity : > 95 %	75522-97-3
FAD-11C	<b>FAD- Na<sub>2</sub></b> - Flavine-adenine dinucleotide disodium salt C <sub>27</sub> H <sub>31</sub> N <sub>9</sub> O <sub>15</sub> P <sub>2</sub> Na <sub>2</sub> - Mw : 829.60 Orange powder - Purity : > 93 %	84366-81-4
NAL-24C	<b>N-Acetyl-L-cysteine</b> C <sub>5</sub> H <sub>9</sub> NO <sub>3</sub> S - Mw : 163.20 White powder - Purity : > 98 %	616-91-1

## BUFFERS FOR DIAGNOSTIC & RESEARCH

CODES	PRODUCTS	CAS #
ACE-001	<b>ACES</b> - N-(2-Acetamido)-2-aminoethanesulfonic acid C <sub>4</sub> H <sub>10</sub> N <sub>2</sub> O <sub>4</sub> S - Mw : 182.20 White powder - Purity : > 99 %	7365-82-4
ADA-100	<b>ADA</b> - (N-(2-Acetamido)iminodiacetic acid) C <sub>6</sub> H <sub>10</sub> N <sub>2</sub> O <sub>5</sub> - Mw : 190.15 White powder - Purity : > 98 %	26239-55-4
AMT-100	<b>AMT</b> - 2-amino-2-methyl-1-propanol C <sub>4</sub> H <sub>11</sub> NO - Mw : 89.14 Semi-solid melting to liquid - Purity : 95 %	124-68-5
BES-001	<b>BES</b> - N,N-bis(2-hydroxyethyl)-2-aminoethanesulfonic acid C <sub>6</sub> H <sub>15</sub> NO <sub>5</sub> S - Mw: 213.2 White powder - Purity: > 99 %	10191-18-1
BIC-100	<b>Bicine</b> - N,N-Bis-(2-Hydroxyethyl)glycine C <sub>6</sub> H <sub>13</sub> NO <sub>4</sub> - Mw : 163.20 White powder - Purity : > 99 %	150-25-4
BTR-197C	<b>Bis Tris</b> - Bis(2-hydroxyethyl)amino-tris(hydroxymethyl)methane C <sub>8</sub> H <sub>19</sub> NO <sub>5</sub> - Mw: 209.24 White powder - Purity: > 98 %	6976-37-0
GB-06	<b>CAPS</b> - N-Cyclohexyl-3-aminopropanesulfonic acid C <sub>9</sub> H <sub>19</sub> NO <sub>3</sub> S - Mw : 221.32 White powder - Purity : > 99 %	1135-40-6
GB-21	<b>CAPSO</b> - N-Cyclohexyl-2-hydroxy-3-aminopropanesulfonic acid C <sub>9</sub> H <sub>19</sub> NO <sub>4</sub> S - Mw : 237.30 White powder - Purity : > 99 %	73463-39-5
CPO-661S	<b>CAPSO sodium salt</b> - 3-(Cyclohexylamino)-2-hydroxy-1-propanesulfonic acid sodium salt C <sub>9</sub> H <sub>18</sub> NO <sub>4</sub> SNa - Mw : 259.30 White powder - Purity : > 99 %	102601-34-3
DIA-83C	<b>Diethanolamine</b> C <sub>4</sub> H <sub>11</sub> NO <sub>2</sub> - Mw : 105.14 Viscous liquid - Purity : > 99 %	111-42-2
HEP-111C	<b>HEPES sodium salt</b> - 4-(2-Hydroxyethyl)-1-piperazine-ethane sulfonic acid sodium salt C <sub>8</sub> H <sub>17</sub> N <sub>2</sub> O <sub>4</sub> SNa - Mw : 260.30 White powder - Purity : > 99 %	75277-39-3
HEP-112C	<b>HEPES</b> - 4-(2-Hydroxyethyl)-1-piperazine-ethane sulfonic acid C <sub>8</sub> H <sub>18</sub> N <sub>2</sub> O <sub>4</sub> S - Mw : 238.31 White powder - Purity : > 99 %	7365-45-9
IMZ-50C	<b>Imidazole</b> - 1,3-Diaza-2,4-cyclopentadiene C <sub>3</sub> H <sub>4</sub> N <sub>2</sub> - Mw : 68.08 White powder - Purity : > 99 %	288-32-4
MAA-630C	<b>Magnesium acetate tetrahydrate</b> C <sub>4</sub> H <sub>6</sub> O <sub>4</sub> Mg.4H <sub>2</sub> O - Mw : 214.16 White powder - Purity : > 98 %	16674-78-5
MES-001	<b>MES free acid</b> - 2-Morpholinoethanesulfonic acid C <sub>6</sub> H <sub>13</sub> NO <sub>4</sub> S - Mw : 195.20 White powder - Purity : > 99 %	4432-31-9
MES-002	<b>MES hemisodium salt</b> - 2-Morpholinoethanesulfonic acid hemisodium salt C <sub>6</sub> H <sub>13</sub> NO <sub>4</sub> S <sub>1/2</sub> Na - Mw : 206.73 White powder - Purity : > 98 %	117961-21-4

## BUFFERS FOR DIAGNOSTIC & RESEARCH

CODES	PRODUCTS	CAS #
MES-86C	<b>MES Monohydrate</b> - 2-Morpholinoethanesulfonic acid C <sub>6</sub> H <sub>13</sub> NO <sub>4</sub> S.H <sub>2</sub> O - Mw: 213.24 White powder - Purity : > 99 %	145224-94-8
MOP-01C	<b>MOPS sodium salt</b> - 3-Morpholinopropanesulfonic acid sodium salt C <sub>7</sub> H <sub>14</sub> NO <sub>4</sub> SNa - Mw : 231.20 White powder - Purity : > 98 %	71119-22-7
MOP-02C	<b>MOPS free acid</b> - 3-Morpholinopropanesulfonic acid C <sub>7</sub> H <sub>15</sub> NO <sub>4</sub> S - Mw : 209.26 White powder - Purity : > 99 %	1132-61-2
MOP-03C	<b>MOPS hemisodium salt</b> - 3-Morpholinopropanesulfonic acid hemisodium salt C <sub>7</sub> H <sub>14.5</sub> NO <sub>4</sub> SNa <sub>1/2</sub> - Mw : 220.30 White powder - Purity : > 98 %	117961-20-3
PHO-156C	<b>Potassium phosphate monobasic</b> KH <sub>2</sub> PO <sub>4</sub> - Mw : 136 White powder - Purity : > 99 %	7778-77-0
PIP-151C	<b>PIPES monosodium salt</b> - Piperazine-1,4-bis(2-ethanesulfonic acid ) monosodium salt C <sub>8</sub> H <sub>17</sub> N <sub>2</sub> O <sub>6</sub> S <sub>2</sub> Na - Mw : 324.30 White powder - Purity : > 97 %	10010-67-0
PIP-152C	<b>PIPES disodium salt</b> - Piperazine-1,4-bis(2-ethanesulfonic acid ) disodium salt C <sub>8</sub> H <sub>16</sub> N <sub>2</sub> O <sub>6</sub> S <sub>2</sub> Na <sub>2</sub> - Mw : 346.30 White powder - Purity : > 95 %	76836-02-7
PIP-153C	<b>PIPES free acid</b> - Piperazine-1,4-bis(2-ethanesulfonic acid ) C <sub>8</sub> H <sub>18</sub> N <sub>2</sub> O <sub>6</sub> S <sub>2</sub> - Mw : 302.37 White powder - Purity : > 90 %	5625-37-6
PIP-154C	<b>PIPES sesquisodium salt</b> - Piperazine-1,4-bis(2-ethanesulfonic acid) sesqui- sodium salt C <sub>8</sub> H <sub>16.5</sub> N <sub>2</sub> O <sub>6</sub> S <sub>2</sub> Na <sub>1.5</sub> - Mw : 335.30 White powder - Purity : > 99 %	100037-69-2
SAC-066C	<b>Sodium acetate</b> C <sub>2</sub> H <sub>3</sub> NaO <sub>2</sub> - Mw : 82.03 White powder - Purity : > 99 %	127-09-3
SPH-171C	<b>Sodium phosphate dibasic</b> Na <sub>2</sub> HPO <sub>4</sub> - Mw: 141.96 White powder - Purity: > 99 %	7558-79-4
SUC-174C	<b>Succinic acid</b> - Butanedioic acid C <sub>4</sub> H <sub>6</sub> O <sub>4</sub> - Mw : 118.09 White powder - Purity : > 99 %	110-15-6
TAP-001	<b>TAPS</b> - N-Tris(hydroxymethyl)methyl-3-aminopropanesulfonic acid C <sub>7</sub> H <sub>17</sub> NO <sub>6</sub> S - Mw : 243.28 White powder - Purity : > 99 %	29915-38-6
TES-0001	<b>TES</b> - N-Tris(hydroxymethyl)methyl-2-aminoethanesulfonic acid C <sub>6</sub> H <sub>15</sub> NO <sub>6</sub> S - Mw : 229.25 White powder - Purity : > 99 %	7365-44-8
TRI-187C	<b>TRIS base</b> - Tris(hydroxymethyl)-aminomethane C <sub>4</sub> H <sub>11</sub> NO <sub>3</sub> - Mw : 121.14 White powder - Purity : > 99 %	77-86-1
TRH-190C	<b>TRIS HCl</b> - Tris(hydroxymethyl)-aminomethane hydrochloride C <sub>4</sub> H <sub>12</sub> NO <sub>3</sub> Cl - Mw : 157.64 White powder - Purity : > 99 %	1185-53-1



## DETERGENTS/SURFACTANTS FOR DIAGNOSTIC & RESEARCH

CODES	PRODUCTS	CAS #
BRI-35	<b>BRIJ 35</b> - Polyoxyethylene(23)lauryl ether C <sub>58</sub> H <sub>118</sub> O <sub>24</sub> - Mw : 1200 White pellets or semi solid	9002-92-0
CHL-510C	<b>Cholic acid sodium salt</b> C <sub>24</sub> H <sub>41</sub> NaO <sub>6</sub> - Mw : 448.57 White powder - Purity : > 98 %	73163-53-8 206986-87-0
CHL-59	<b>Cholic acid</b> C <sub>24</sub> H <sub>40</sub> O <sub>5</sub> - Mw : 408.60 White powder - Purity : > 98 %	81-25-4
DDB-122	<b>Dodecyldimethylammonium Bromide</b> C <sub>16</sub> H <sub>36</sub> NBr - Mw: 322.4 White powder - Purity : > 99 %	68207-00-1
DEO-001C	<b>Deoxycholic acid sodium salt</b> C <sub>24</sub> H <sub>39</sub> O <sub>4</sub> Na - Mw : 414.60 White powder - Purity : > 98 %	302-95-4
DEO-201C	<b>Deoxycholic acid</b> C <sub>24</sub> H <sub>40</sub> O <sub>4</sub> - Mw : 392.57 White to off-white powder - Purity : > 98 %	83-44-3
DMU-150C	<b>1,3-Dimethylurea</b> C <sub>15</sub> H <sub>34</sub> NCl - Mw: 263.88 White solid - Purity: > 95 %	96-31-1
DOC-392	<b>Dodecyltrimethylammonium Chloride</b> C <sub>3</sub> H <sub>8</sub> N <sub>2</sub> O - Mw: 88.11 White to light yellow powder - Purity: > 97 %	112-00-5
DOD-300	<b>Dodecyltrimethylammonium Bromide</b> C <sub>15</sub> H <sub>34</sub> NBr - Mw: 308.35 White powder - Purity: > 99 %	1119-94-4
EME-109P	<b>EMERGEN 109 P</b> - Polyoxyethylene lauryl ether White paste - HLB : 13.6	9002-92-0
EME-430	<b>EMERGEN 430</b> - Polyoxyethylene oleyl ether Yellow solid - HLB : 16.2	9004-98-2
EME-B66	<b>EMERGEN B66</b> - Polyoxyethylene tribenzyl ether Brown liquid - HLB : 13.2	104376-75-2
EME-60	<b>EMERGEN A-60</b> - Polyoxyethylene distyrenated phenyl ether Yellow paste - HLB : 12.8	104376-75-2
EME-707	<b>EMERGEN 707</b> - Polyoxyethylene alkyl ether Yellow liquid - HLB : 12.1	68131-40-8
EME-90	<b>EMERGEN A-90</b> - Polyoxyethylene distyrenated phenyl ether Yellow viscous liquid - HLB : 14.5	104376-75-2
EME-950	<b>EMERGEN 950</b> - 4-Nonylphenyl-polyethylene glycol White flakes	9016-45-9
EMP-100	<b>EMPIGEN BB</b> - N,N-Dimethyl-N-dodecylglycine betaine CH <sub>3</sub> (CH <sub>2</sub> ) <sub>8-14</sub> CH <sub>2</sub> N <sup>+</sup> (CH <sub>3</sub> ) <sub>2</sub> CH <sub>2</sub> COO <sup>-</sup> - Mw : 279	66455-29-6
GEN-080	<b>Genapol X-080</b> - Polyethylene glycol monoalkyl ether C <sub>29</sub> H <sub>40</sub> O <sub>9</sub> - Mw : 552 Clear viscous liquid	9043-30-5

## DETERGENTS/SURFACTANTS FOR DIAGNOSTIC & RESEARCH

CODES	PRODUCTS	CAS #
POL-01C	<b>Polyoxyéthylène Octylphenyl Ether</b> <i>t</i> -Oct-C <sub>6</sub> H <sub>4</sub> -(OCH <sub>2</sub> CH <sub>2</sub> ) <sub>x</sub> OH - Mw : ~625 Clear viscous liquid	9002-93-1
SAP-510	<b>Saponin</b> Beige to brown-yellow powder - Sapogenin: 8-25 %	8047-15-2
TAU-100	<b>Sodium taurodeoxycholate</b> C <sub>26</sub> H <sub>44</sub> NO <sub>6</sub> SNa - Mw : 521.70 White powder - Purity : > 96 %	207737-97-1
THE-01C	<b>THESIT</b> - Polyethylene glycol 400 dodecyl ether C <sub>30</sub> H <sub>62</sub> O <sub>10</sub> - Mw : 600 White pasty substance	9002-92-0
TRX-114C	<b>Triton-X114</b> - (1,1,3,3-Tetramethylbutyl)phenyl-polyethylene glycol C <sub>30</sub> H <sub>54</sub> O <sub>9</sub> - Mw : 558.75 Clear viscous liquid	9036-19-5
TRX-191C	<b>Triton-X100</b> - Polyethylene glycol <i>tert</i> -octylphenyl ether C <sub>34</sub> H <sub>62</sub> O <sub>12</sub> - Mw : 647 Clear viscous liquid	9002-93-1
TTB-143	<b>Tetradecyltrimethylammonium Bromide</b> C <sub>17</sub> H <sub>38</sub> NBr - Mw: 336.4 White powder - Purity: > 99 %	1119-97-7
TWE-20C	<b>Tween 20</b> - Poly(oxyethylene)(20)-sorbitane monolaureate C <sub>58</sub> H <sub>114</sub> O <sub>26</sub> - Mw : 1228 Yellow viscous liquid	9005-64-5
ZWI-310	<b>Zwittergen 3.10</b> - 3-( <i>N,N</i> -Dimethyldodecylammonio)propanesulfonate C <sub>15</sub> H <sub>33</sub> NO <sub>3</sub> S - Mw : 307.50 White powder - Purity : > 98 %	15163-36-7

## STABILIZERS

CODES	PRODUCTS	CAS #
ALB-30C	<b>Bovine Serum Albumin Fraction V</b> Purity : > 98 % - Mw : 66 kDa Greyish flakes	9048-46-8
ALB-30S	<b>Bovine Serum Albumin Fraction V, purified</b> Purity : > 99 % - Mw : 66 kDa Greyish powder	9048-46-8
ALB-30FA	<b>Bovine serum Albumin, Fatty Acid Free</b> Purity: > 98 % - Mw: 66 kDa Off white to greyish powder or flakes	9048-46-8
BPF-301	<b>Blocking Peptide Fragment</b> White powder - Mw : 220,000	-
<b>BPF-302</b>	<b>Blocking Peptide Fragment</b> White powder - Mw : 220,000	-
CAF-194	<b>Caffeine</b> - 1,3,7-Trimethylxanthine $C_8H_{10}N_4O_2$ - Mw : 194.19 White powder - Purity : > 98 %	58-08-2
CTM-523C	<b>Cetrimide</b> - Myristyltrimethylammonium bromide $C_{17}H_{38}NBr$ - Mw : 336.4 White powder - Purity : > 99 %	1119-97-7
DEX-14C	<b>Dextran sulfate</b> Mw : > 500,000 White powder	9011-18-1
DDY-86C	<b>DTT</b> - Dithiothreitol $C_4H_{10}O_2S_2$ - Mw : 154.25 White powder - Purity : > 99 %	3483-12-3
DMA-127C	<b>D-Mannitol</b> $C_6H_{14}O_6$ - Mw : 182.20 White powder - Purity : > 98 %	69-65-8
FEN-100	<b>Phenoxyethanol</b> $C_8H_{10}O_2$ - Mw : 138.16 Colorless liquid - Purity : > 99 %	122-99-6
FIC-400	<b>Ficoll 400</b> - Polysucrose 400 Mw : 400 kg/mol White powder	26873-85-8
GHC-117C	<b>Guanidine HCl</b> $CH_6N_3Cl$ - Mw : 95.53 White powder - Purity : > 99 %	50-01-1
GUA-108C	<b>Guanidine HCl, solution</b> $CH_6N_3Cl$ - Mw : 95.53 Colorless liquid - Purity : 50-55 %	50-01-1
HGS-01C	<b>Sodium hydrogen selenite</b> $NaHSeO_3$ - Mw : 150.96 White powder - Purity : > 96 %	7782-82-3
LAR-190C	<b>L-Arginine HCl</b> $C_6H_{14}O_2N_4.HCl$ - Mw: 210.66 White powder - Purity: > 98 %	1119-34-2
NPS-301	<b>Neo Protein Saver</b> - Sericine White powder - Mw : 30,000	60650-89-7

## COSMETIC SPECIFIC ACTIVES

CODES	PRODUCTS	CAS #
MEL-201	<b>Ceramela</b> - Mannosylerythritol lipid Yellow-orange oily liquid - Purity: > 95 %	1264282-45-2
PGA-301	<b>AminoPGALE</b> - Poly $\gamma$ -L-glutamic acid sodium salt White powder	1262423-34-6
SPA-301	<b>Phytopolyamine-S</b> Yellow-brown to brown aqueous solution	-

## CHELATING AGENTS

CODES	PRODUCTS	CAS #
CRY-001	<b>Kryptofix 221</b> - Cryptand $C_{16}H_{32}N_2O_5$ - Mw : 332.44 Oily liquid - Purity : > 98 %	31364-42-8
EDT-100C	<b>EDTA, trisodium salt</b> $C_{10}H_{13}N_2Na_3O_8$ - Mw : 358.19 White powder - Purity : > 95 %	85715-60-2
EDT-101C	<b>EDTA, disodium salt dihydrate</b> $C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$ - Mw : 372.24 White powder - Purity : > 99 %	6381-92-6
EDT-110C	<b>EDTA, trisodium salt dihydrate</b> $C_{10}H_{13}N_2Na_3O_8 \cdot 2H_2O$ - Mw: 394 White powder - Purity: > 98 %	150-38-9
EDT-88C	<b>EDTA, free acid</b> $C_{10}H_{16}N_2O_8$ - Mw : 292.25 White powder - Purity : > 99 %	60-00-4
EDT-89C	<b>EDTA, dipotassium salt, dihydrate</b> $C_{10}H_{14}K_2N_2O_8 \cdot 2H_2O$ - Mw : 404.47 White powder - Purity : > 98 %	25102-12-9
TPB-100S	<b>Tetraphenylboron sodium salt</b> $C_{24}H_{20}BNa$ - Mw : 342.22 Solid homogenous - Purity : > 99 %	143-66-8
TTH-010	<b>TTHA</b> - Triethylenetetramine hexaacetic acid $C_{18}H_{30}N_4O_{12}$ - Mw : 494.45 White powder - Purity : > 98 %	869-52-3

## STAINS

CODES	PRODUCTS	CAS #
BCL-06C	<b>Bromocresol Green sodium salt</b> C <sub>21</sub> H <sub>13</sub> Br <sub>4</sub> NaO <sub>5</sub> S - Mw : 720.00 Dark green powder	62625-32-5
FUS-530	<b>Basic Fuchsin</b> C <sub>20</sub> H <sub>20</sub> ClN <sub>3</sub> - Mw : 337.85 Green powder	58969-01-0
GEV-273	<b>Gentian Violet</b> C <sub>25</sub> H <sub>30</sub> N <sub>3</sub> Cl - Mw: 407.98 Dark green powder - Purity: > 96 %	548-62-9
GSA-153	<b>Giemsa's stain</b> C <sub>14</sub> H <sub>14</sub> ClN <sub>3</sub> S - Mw : 291.80 Green powder	51811-82-6
LSN-130	<b>Leishman's stain</b> Eosine-polychrome methylene blue Green powder	12627-53-1
MET-005	<b>Methylene Blue</b> C <sub>16</sub> H <sub>18</sub> ClN <sub>3</sub> S.3H <sub>2</sub> O - Mw : 373.90 Green powder	7220-79-3
WGT-130	<b>Wright's stain</b> Eosine methylene blue according to Wright Green powder	68988-92-1

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