

# 培養基添加物 & 緩衝溶液指南

Salt Solutions / Buffers /  
Cell Culture Water  
Media Supplements  
Trypsin Solutions  
Antibiotic / Antimycotic Solutions



# Who we are



## 關於 BioConcept

BioConcept 總部位於瑞士的製藥中心，配合生物製藥廠來生產專用細胞培養基和各類緩衝液。BioConcept 所開發的專用細胞培養基產品組合，適用於各種細胞類型 (CHO、BHK、幹細胞、融合瘤細胞、昆蟲細胞等)。除了專有的培養基配方外，BioConcept 還為其生物製藥客戶客製專屬培養基配方。BioConcept 的培養基生產設施包括容量高達 5,000 公升的分離式 ACF / 非 ACF 液體培養基設施以及高達 800 公斤 / 批次的粉末培養基研磨和混合設施，所有這些設施均已通過 ISO 認證並符合 GMP 要求。使用最先進的設施 WFI (注射用水) 和自動化灌裝系統，以確保高質量的產品生產和快速的生產系統。




Powder Mill



Automated Bottle Handling



Automated Media Filling



百歐生醫 AllBio Life 為 BioConcept 於亞洲區獨家授權經銷商與特殊培養基合作開發實驗室，百歐在台灣與寧波同時都有設立生物醫學實驗室，百歐的實驗室擁有 ISO17025 的實驗室品質管制認證。在美國、新加坡與泰國也設有駐點辦公室負責業務推廣。

### **Our product line includes**

- Special customer-designed media
- Contract manufacturing of sterile liquids and powder formulations
- Production media for CHO, Hybridoma and Insect Cells
- Individual solutions for your cell culture requirements
- Complete cell systems applications for CHO cells
- Standard media
- Serum-free and ACF (Animal Component Free) media
- Liquid as well as powder media formulations
- Buffers and balanced salt solutions
- Supplements and auxiliary reagents
- Animal sera

**In addition to the broad range of cell culture products, we can offer the highest degree of flexibility and customization in a timely manner. Our customers have the following options**

- Modifications of standard products
- New products according to customers recipes
- Outsourcing of media production
- Variable batch sizes starting from 5 L up to 5000L (liquid) and 2 kg up to 800 kg (powder)
- Variable packaging sizes (1 ml up to 1000L) and packaging systems (PET/glass bottles, sterile bags, customized tubing systems, as well as customer specifications)
- Sterilization through sterile filtration (0.22 µm) or hot air/vapour sterilization

Customized products can be delivered within six to eight weeks after the order has been placed, including QC. For more detailed information please contact us at [info@bioconcept.ch](mailto:info@bioconcept.ch).

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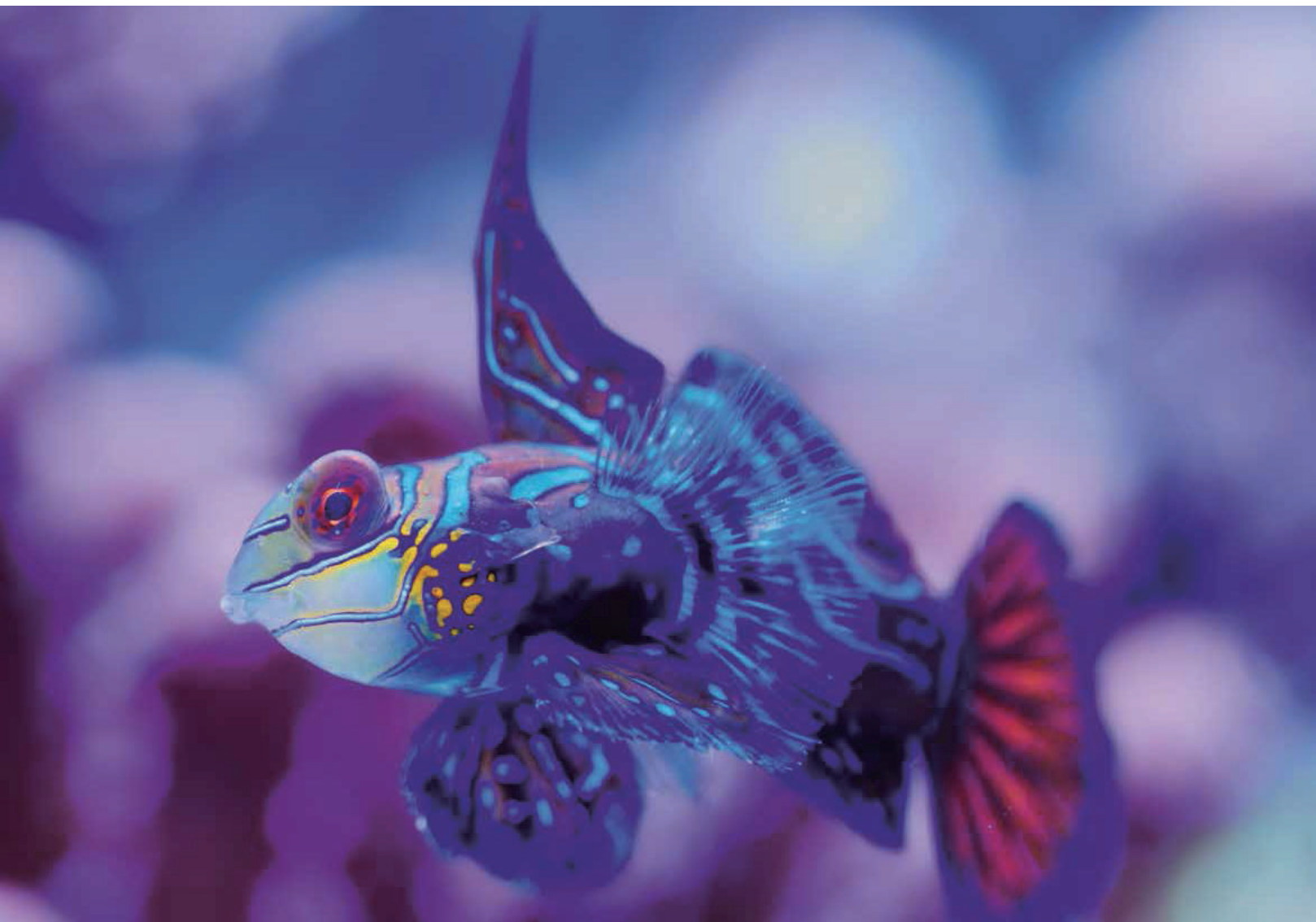
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# Salt Solutions / Buffers / Cell Culture Water

## 20 × SSC und 10 × TBE

Cat. No.	3-07F00-I	3-07F01-I
Unit Size	500 ml	500 ml
Presentation (liquid)	20 × SSC	10 × TBE
Formula	according to Maniatis	according to Maniatis
<b>Concentration</b>		
Components	g/L	g/L
Tri-Sodiumcitrate 2H <sub>2</sub> O	88.23	–
NaCl	175.32	–
Tris (hydroxymethyl) aminomethane	–	121.14
Boric acid	–	55.647
EDTA 2Na 2H <sub>2</sub> O	–	37.224

## Earle's Balanced Salt Solution EBSS

Cat. No.	3-01F29-I	3-01F33-I	3-01F00-I	3-01F31-I
Unit Size	500 ml	500 ml	500 ml	500 ml
Presentation	1 × liquid	1 × liquid	1 × liquid	1 × liquid
Formula	w/o Ca <sup>++</sup> /Mg <sup>++</sup>	w/o Ca <sup>++</sup> /Mg <sup>++</sup> w/o Phenol Red	with Ca <sup>++</sup> /Mg <sup>++</sup>	with Ca <sup>++</sup> /Mg <sup>++</sup> w/o Phenol Red
<b>Concentration</b>				
Inorganic Salts	g/L	g/L	g/L	g/L
CaCl <sub>2</sub> 2H <sub>2</sub> O	–	–	0.264	0.264
KCl	0.40	0.40	0.40	0.40
MgSO <sub>4</sub> 7H <sub>2</sub> O	–	–	0.20	0.20
NaCl	6.80	6.80	6.80	6.80
NaHCO <sub>3</sub>	2.20	2.20	2.20	2.20
NaH <sub>2</sub> PO <sub>4</sub> H <sub>2</sub> O	0.14	0.14	0.14	0.14
<b>Other Components</b>				
D-Glucose	1.00	1.00	1.00	1.00
Phenol Red	0.01	–	0.01	–

Cat. No.	3-01K30-I	3-01K34-I
Unit Size	500 ml	500 ml
Presentation	10 × liquid	10 × liquid
Formula	w/o Ca <sup>++</sup> /Mg <sup>++</sup> w/o NaHCO <sub>3</sub> w/o NaHCO <sub>3</sub>	w/o Ca <sup>++</sup> /Mg <sup>++</sup> w/o Phenol Red
<b>Concentration</b>		
<b>Inorganic Salts</b>	<b>g/L</b>	<b>g/L</b>
KCl	4.00	4.00
NaCl	68.00	68.00
NaHCO <sub>3</sub>	–	–
NaH <sub>2</sub> PO <sub>4</sub> · H <sub>2</sub> O	1.4	1.4
<b>Other Components</b>		
D-Glucose	10.00	10.00
Phenol Red	0.1	–

### Hank's Balanced Salt Solution (HBSS)

Cat. No.	3-02F00-I	3-02F31-I	3-02F29-I	3-02F33-I
Unit Size	500 ml	500 ml	500 ml	500 ml
Presentation	1 × liquid	1 × liquid	1 × liquid	1 × liquid
Formula	Standard	w/o Phenol Red	w/o Ca <sup>++</sup> /Mg <sup>++</sup>	w/o Ca <sup>++</sup> /Mg <sup>++</sup> w/o Phenol Red
<b>Concentration</b>				
<b>Inorganic Salts</b>	<b>g/L</b>	<b>g/L</b>	<b>g/L</b>	<b>g/L</b>
CaCl <sub>2</sub> · 2H <sub>2</sub> O	0.185	0.185	–	–
KCl	0.40	0.40	0.40	0.40
KH <sub>2</sub> PO <sub>4</sub>	0.06	0.06	0.06	0.06
MgSO <sub>4</sub>	0.20	0.20	–	–
NaCl	8.00	8.00	8.00	8.00
NaHCO <sub>3</sub>	0.35	0.35	0.35	0.35
Na <sub>2</sub> HPO <sub>4</sub>	0.048	0.048	0.048	0.048
<b>Other Components</b>				
D-Glucose	1.00	1.00	1.00	1.00
Phenol Red	0.01	–	0.01	–

Cat. No.	3-02K02-I	3-02K32-I	3-02K30-I	3-02K34-I
Unit Size	500 ml	500 ml	500 ml	500 ml
Presentation	10 × liquid	10 × liquid	10 × liquid	10 × liquid
Formula	Standard	w/o Phenol Red	w/o Ca <sup>++</sup> /Mg <sup>++</sup>	w/o Ca <sup>++</sup> /Mg <sup>++</sup> w/o Phenol Red
<b>Concentration</b>				
<b>Inorganic Salts</b>	<b>g/L</b>	<b>g/L</b>	<b>g/L</b>	<b>g/L</b>
CaCl <sub>2</sub> 2H <sub>2</sub> O	1.85	1.85	–	–
KCl	4.00	4.00	4.00	4.00
KH <sub>2</sub> PO <sub>4</sub>	0.60	0.60	0.60	0.60
MgSO <sub>4</sub> 7H <sub>2</sub> O	2.00	2.00	–	–
NaCl	80.00	80.00	80.00	80.00
Na <sub>2</sub> HPO <sub>4</sub>	0.48	0.48	0.48	0.48
<b>Other Components</b>				
D-Glucose	10.00	10.00	10.00	10.00
Phenol Red	0.10	–	0.10	–
<b>To be added separately</b>				
NaHCO <sub>3</sub>	3.50	3.50	3.50	3.50

Cat. No.	3-02P02 -K, -L, -M, -N	3-02P32 -K, -L, -M, -N	3-02P30 -K, -L, -M, -N
Unit Size	1 L, 5 L, 10 L, 50 L	1 L, 5 L, 10 L, 50 L	1 L, 5 L, 10 L, 50 L
Presentation	powder	powder	powder
Formula	Standard	w/o Phenol Red	w/o Ca/Mg
<b>Concentration</b>			
<b>Inorganic Salts</b>	<b>g/L</b>	<b>g/L</b>	<b>g/L</b>
CaCl <sub>2</sub> anhydrous	0.14	0.14	–
KCl	0.40	0.40	0.40
KH <sub>2</sub> PO <sub>4</sub>	0.06	0.06	0.06
MgSO <sub>4</sub> anhydrous	0.098	0.098	–
NaCl	8.00	8.00	8.00
Na <sub>2</sub> HPO <sub>4</sub>	0.048	0.048	0.048
<b>Other Components</b>			
D-Glucose	1.00	1.00	1.00
Phenol Red	0.01	–	0.01
<b>To be added separately</b>			
NaHCO <sub>3</sub>	0.35	0.35	0.35



### Phosphate Buffered Saline (pH 7.4)

<b>Cat. No.</b>	<b>3-05F39-I</b>
Unit Size	500 ml
Presentation	1 × liquid
<b>Concentration</b>	
<b>Inorganic Salts</b>	<b>g/L</b>
$\text{KH}_2\text{PO}_4$	0.144
$\text{Na}_2\text{HPO}_4 \cdot 7\text{H}_2\text{O}$	0.795
NaCl	9.00

### Physiological (0.9%) Sodium Chloride Solution

<b>Cat. No.</b>	<b>3-06S00-I</b>
Unit Size	500 ml
Presentation	1 × liquid
<b>Concentration</b>	
<b>Inorganic Salts</b>	<b>g/L</b>
NaCl	90.00

## Dulbecco's PBS

Cat. No.	3-05F00-I	3-05F29-I/-K	3-05K00-I	3-05K29-I
Unit Size	500 ml	500 ml, 1 L	500 ml	500 ml
Presentation	1 × liquid	1 × liquid	10 × liquid	10 × liquid
Formula	Standard	w/o Ca <sup>++</sup> /Mg <sup>++</sup>	Standard	w/o Ca <sup>++</sup> /Mg <sup>++</sup>
<b>Concentration</b>				
Inorganic Salts	g/L	g/L	g/L	g/L
CaCl <sub>2</sub> 2H <sub>2</sub> O	0.132	–	1.32	–
KCl	0.20	0.20	2.00	2.00
KH <sub>2</sub> PO <sub>4</sub>	0.20	0.20	2.00	2.00
MgCl <sub>2</sub> 6H <sub>2</sub> O	0.10	–	1.00	–
NaCl	8.00	8.00	80.00	80.00
Na <sub>2</sub> HPO <sub>4</sub>	1.15	1.15	11.50	11.50

Cat. No.	8-05F00-I	8-05F29-I	3-05P00 -K, -L, -M, -N	3-05P29 -K, -L, -M, -N
Unit Size	500 ml	500 ml	1L, 5L, 10L, 50L	1L, 5L, 10L, 50L
Presentation	1 × liquid	1 × liquid	powder	powder
Formula	Standard Endotoxin free	w/o Ca <sup>++</sup> /Mg <sup>++</sup> Endotoxin free	Standard	w/o Ca <sup>++</sup> /Mg <sup>++</sup>
<b>Concentration</b>				
Inorganic Salts	g/L	g/L	g/L	g/L
CaCl <sub>2</sub> 2H <sub>2</sub> O	0.132	–	–	–
KCl	0.20	0.20	0.20	0.20
KH <sub>2</sub> PO <sub>4</sub>	0.20	0.20	0.20	0.20
MgCl <sub>2</sub> 6H <sub>2</sub> O	0.10	–	0.10	–
NaCl	8.00	8.00	8.00	8.00
Na <sub>2</sub> HPO <sub>4</sub>	1.15	1.15	–	–
<b>To be added seperately</b>				
CaCl <sub>2</sub> anhydrous	–	–	0.1	–

## EDTA PBS (0.02%)

Cat. No.	5-32F00-H/-I
Unit Size	100 ml/500 ml
Presentation	0.02% solution
Formula	w/o Ca <sup>++</sup> /Mg <sup>++</sup>

## Sodium Bicarbonate Solution

Cat. No.	5-30F00-H/-I
Unit Size	100 ml/500 ml
Presentation	7.5% solution
Formula	75 g/L

### Water for Cell Culture (Endotoxin Free)

<b>Cat. No.</b>	<b>8-73F00-I/-K/-M</b>
Unit Size	500 ml/1 L/10 L
Presentation	liquid
Formula	Endotoxin free

### HEPES Buffer

<b>Cat. No.</b>	<b>5-31F00-H</b>
Unit Size	100 ml
Presentation	1 M solution
Formula	238.3 g/L

### HEPES Powder (Free Acid)

<b>Cat. No.</b>	<b>5-31P00-O/-R</b>
Unit Size	100 g/500 g
Presentation	powder
Formula	free acid

### Red Blood Cell (RBC) Lysis Buffer

<b>Cat. No.</b>	<b>3-13F00-H</b>
Unit Size	100 ml
Presentation	liquid
Formula	Standard

# Media Supplements

## MEM Amino Acids Solution

Cat. No.	5-12K01-H
Unit Size	100 ml
Presentation	50 × liquid
Formula	w/o Glutamine
<b>Concentration</b>	
Amino Acids	g/L
L-Arginine HCl	6.32
L-Cystine	1.20
L-Histidine HCl H <sub>2</sub> O	2.10
L-Isoleucine	2.625
L-Leucine	2.62
L-Lysine HCl	3.625
L-Methionine	0.755
L-Phenylalanine	1.65
L-Threonine	2.38
L-Tryptophan	0.51
L-Tyrosine	1.80
L-Valine	2.34

## MEM Non-Essential (NE) Amino Acids Solution

Cat. No.	5-13K00-H
Unit Size	100 ml
Presentation	100 × liquid
Formula	Standard
<b>Concentration</b>	
Amino Acids	g/L
L-Alanine	0.89
L-Asparagine H <sub>2</sub> O	1.50
L-Aspartic Acid	1.33
L-Glutamic Acid	1.47
Glycine	0.75
L-Proline	1.15
L-Serine	1.05

## L-Glutamine Solution

Cat. No.	5-10K00-H
Unit Size	100 ml
Presentation	100 × liquid
Formula	200 mM (28.2 g/L) L-Gln

## L-Glutamine Powder

<b>Cat. No.</b>	<b>5-10P00-O/-R</b>
Unit Size	100 g/500 g
Presentation	powder

## MEM Vitamins Solution

<b>Cat. No.</b>	<b>5-21K00-H</b>
Unit Size	100 ml
Presentation	100 × liquid
Formula	Standard

### Concentration

Vitamins	g/L
Choline Chloride	0.10
D-Pantothenic Acid Ca Salt	0.10
Folic Acid	0.10
i-Inositol	0.20
Nicotinamide	0.10
Pyridoxal HCl	0.10
Riboflavin	0.01
Thiamine HCl	0.10

## BME Amino Acids Solution

<b>Cat. No.</b>	<b>5-11K01-H</b>
Unit Size	100 ml
Presentation	50 × liquid
Formula	w/o Glutamine

### Concentration

Amino Acids	g/L
L-Arginine HCl	1.052
L-Cystine	0.60
L-Histidine HCl H <sub>2</sub> O	0.54
L-Isoleucine	1.30
L-Leucine	1.30
L-Lysine HCl	1.812
L-Methionine	0.375
L-Phenylalanine	0.825
L-Threonine	1.20
L-Tryptophan	0.20
L-Tyrosine	0.90
L-Valine	1.175

## Stable Glutamine Solution

<b>Cat. No.</b>	<b>5-10K50-H</b>
Unit Size	100 ml
Presentation	100 × liquid
Formula	200 mM (43.44 g/L) L-Ala-L-Gln

## Stable Glutamine Powder

<b>Cat. No.</b>	<b>CN-38-O/-R</b>
Unit Size	100 g/500 g
Presentation	powder

## BME Vitamin Solution

<b>Cat. No.</b>	<b>5-20K00-H</b>
Unit Size	100 ml
Presentation	100 × liquid
Formula	Standard

### Concentration

Components	g/L
Choline Chloride	0.10
D-Pantothenic Acid Ca Salt	0.10
Folic Acid	0.10
i-Inositol	0.20
Nicotinamide	0.10
Pyridoxal HCl	0.10
Riboflavin	0.01
Thiamine HCl	0.10
Biotin	0.10
NaCl	8.50

## Diamond Vitamin Tween™ 80 Solution (40 x)

<b>Cat. No.</b>	<b>5-78F00-I</b>
Unit Size	500 ml
<b>Presentation</b>	<b>40 x liquid</b>
<b>Concentration</b>	
<b>Components</b>	<b>mg/L</b>
Menadion (Vitamin K3)	11
(+) -a-Tocopherolacetate	5
Ergocalciferol (Vit D2)	55
Vitamin A Acetate	55
DL-a-Lipoic Acid	6.7
D-Biotin	5.5
D-Calcium Pantothenate	5.5
Choline Chloride	276.7
Cyanocobalamin (Vitamin B12)	4
Folic Acid	5.5
i-Inositol	27.7
Niacin	10.6
Niacinamide	10.6
4-Aminobenzoic Acid (PABA, Vit H1) 27.7	27.7
Pyridoxal HCl	10.6
Pyrodoxin HCl	10.6
Riboflavin (Vitamin B2)	5.5
Thiamin HCl (Vitamin B1 HCl)	5.5
Tween™ 80	4445
Ethanol p.A.	70.06 ml

Tween™ is a registered trademark of CRODA International Plc.

## Gelatin Type B From Bovine Skin

<b>Cat. No.</b>	<b>5-76F00-H</b>
Unit Size	100 ml
<b>Presentation</b>	<b>liquid</b>
Formula	2% solution

## CHO Lipid Mix

<b>Cat. No.</b>	<b>5-74S08-E/-H</b>
Unit Size	20 ml/ 100 ml
<b>Presentation</b>	<b>liquid</b>
Formula	1 000 x (Proprietary)

## Lutrol® F-68

<b>Cat. No.</b>	<b>5-75F02-H</b>
Unit Size	100 ml
<b>Presentation</b>	<b>liquid</b>
Formula	10% solution

## Transferrin (Human Holo-Transferrin)

<b>Cat. No.</b>	<b>5-67F00-D/-G</b>
Unit Size	100 ml/50 ml
Presentation	liquid
Formula	4 mg/ml

## BSA Solution

<b>Cat. No.</b>	<b>5-66F00-H</b>
Unit Size	100 ml
Presentation	liquid
Formula	100 mg/ml

## 2-Mercaptoethanol

<b>Cat. No.</b>	<b>5-69F00-E</b>
Unit Size	20 ml
Presentation	1 000 × liquid
Formula	50 mM

## Nucleosid Mix (100 ×)

<b>Cat. No.</b>	<b>5-82F00-I/-K</b>
Unit Size	500 ml/1 L
Presentation	100 × liquid
Formula	Standard

### Concentration

Components	mg/L
Cytidine	1 000
Guanosine	1 000
Uridine	1 000
Adenosine	1 000
2' Deoxyadenosine	1 000
2' Deoxycytidine HCl	1 100
2' Deoxyguanosine H <sub>2</sub> O	1 067
2' Deoxythymidine	1 000

## Sodium Pyruvate

<b>Cat. No.</b>	<b>5-60F00-H</b>
Unit Size	100 ml
Presentation	100 mM solution
Formula	11 g/L

## Insulin (Human, Recombinant)

<b>Cat. No.</b>	<b>5-79F00-G</b>
Unit Size	50 ml
Presentation	liquid
Formula	5 mg/ml



## Tryptose Phosphate Broth

<b>Cat. No.</b>	<b>5-62F00-H</b>
Unit Size	100 ml
Presentation	liquid
Formula	29.5 g/L

## Phenol Red Solution

<b>Cat. No.</b>	<b>5-70F01-H</b>
Unit Size	100 ml
Presentation	liquid
Formula	1.5 g/L

## HT-Supplement

<b>Cat. No.</b>	<b>5-64K00-H</b>
Unit Size	100 ml
Presentation	50 × liquid
Formula	Standard

### Concentration

Components	g/L
Hypoxanthine	680
Thymidine	193
NaCl	9000

## HAT-Supplement

<b>Cat. No.</b>	<b>5-63K00-H</b>
Unit Size	100 ml
Presentation	50 × liquid
Formula	Standard

### Concentration

Components	mg/L
Hypoxanthine	680
Aminopterin	8
Thymidine	193
NaCl	9000

## Glucose Solution (50%)

<b>Cat. No.</b>	<b>5-33F01-H/I</b>
Unit Size	100 ml/500 ml
Presentation	liquid
Formula	Standard

### Concentration

Components	g/L
Glucose	500

## Amino Acids CC grade (Powder)

Amino acid	Product Code (100g)	Product Code (500g)
L-Alanine	CN-9002-O	C-9001-R
L-Arginine	CN-9003-O	C-9003-R
L-Asparagine H <sub>2</sub> O	CN-9006-O	C-9006-R
L-Aspartic Acid	CN-9007-O	C-9007-R
L-Cystine	CN-9009-O	C-9009-R
L-Glutamine	5-10P00-O	5-10P00-R
L-Glutamic Acid	CN-9013-O	C-9013-R
Glycin	CN-9014-O	C-9014-R
L-Histidine	CN-9015-O	C-9015-R
L-Isoleucine	CN-9019-O	C-9019-R
L-Leucine	CN-9020-O	C-9020-R
L-Lysine HCl	CN-9022-O	C-9022-R
L-Methionine	CN-9023-O	C-9023-R
L-Phenylalanine	CN-9024-O	C-9024-R
L-Proline	CN-9025-O	C-9025-R
L-Serine	CN-9026-O	C-9026-R
L-Threonine	CN-9027-O	C-9027-R
L-Tryptophan	CN-9029-O	C-9029-R
L-Tyrosine	CN-9030-O	C-9030-R
L-Valine	CN-9031-O	C-9031-R

## Methylcellulose

<b>Cat. No.</b>	<b>9-00F14-I/-K</b>
Unit Size	500 ml/ 1 000 ml
Presentation	0.5% liquid
Formula	Endotoxin free, cell culture grade

### Information

Methylcellulose is used as a carrier substrate for test substances that have to be injected into animals. Methylcellulose increases the viscosity of the cell culture medium and thereby protects the cell from mechanical stresses and fluid movements in the culture dish.

## Trypan Blue

<b>Cat. No.</b>	<b>5-72F00-H</b>
Unit Size	100 ml
Presentation	0.5% liquid, not sterile
Formula	5 g/L in normal saline

### Information

Trypan Blue is a stain recommended for use in dye exclusion procedures to count viable cells. Viable cells do not take up the dye whereas dead cells do.

# Trypsin Solutions

## Trypsin in PBS, with EDTA

<b>Cat. No.</b>	<b>5-52F00-H/-I</b>
Unit Size	100 ml/500 ml
<b>Presentation</b>	<b>1 × liquid</b>
Formula	EDTA PBS 1:250 (0.25%/0.02%) w/o Ca <sup>++</sup> /Mg <sup>++</sup> w/o Phenol Red

## Trypsin 0.25% in PBS, with EDTA, with Phenol Red

<b>Cat. No.</b>	<b>5-54F00-H</b>
Unit Size	100 ml
<b>Presentation</b>	<b>10 × liquid</b>
Formula	EDTA PBS 1:250 (0.25%/0.02%) with Phenol Red

## Trypsin 0.5% in PBS, with EDTA

<b>Cat. No.</b>	<b>5-51K00-H</b>
Unit Size	100 ml
<b>Presentation</b>	<b>10 × liquid</b>
Formula	EDTA PBS 1:250 (10 ×) (0.5%/0.2%) with Phenol Red w/o Ca <sup>2+</sup> , Mg <sup>2+</sup>

## Trypsin 0.25% in PBS

<b>Cat. No.</b>	<b>5-50F00-H</b>
Unit Size	100 ml
<b>Presentation</b>	<b>1 × liquid</b>
Formula	0.25 % Trypsin in PBS w/o Ca <sup>++</sup> /Mg <sup>++</sup> with 10 mg/L Phenol Red

## Trypsin 2.5% in PBS

<b>Cat. No.</b>	<b>5-50K00-H</b>
Unit Size	100 ml
<b>Presentation</b>	<b>10 × liquid</b>
Formula	2.5 % Trypsin in PBS w/o Ca <sup>++</sup> /Mg <sup>++</sup> with 100 mg/L Phenol Red w/o EDTA
Remarks	Dilute 1:10 with PBS w/o Ca <sup>++</sup> /Mg <sup>++</sup> (3-05F29) before use

# Antibiotic / Antimycotic Solutions

## PSN (Pen-Strep-Neomycin)

<b>Cat. No.</b>	<b>4-13F00-H</b>
Unit Size	100 ml
<b>Presentation/ml</b>	<b>5 mg/5 mg/10 mg</b>
Spectrum	Gram <sup>+</sup> /Gram <sup>-</sup>

## Geneticin® G418 50 mg/ml

<b>Cat. No.</b>	<b>4-15F01-H/-E</b>
Unit Size	100 ml/20 ml
Used as a selective agent in mammalian cells at concentrations ranging from 400 to 1 000 µg/ml. G418 blocks polypeptide synthesis by inhibiting the elongation step in both prokaryotic and eukaryotic cells. Resistance to G418 is conferred by the Neomycin resistance gene (neo) from Tn5 encoding an aminoglycoside 3'-phosphotransferase, APH(3')-II.	

## Geneticin® G418 crystalline

<b>Cat. No.</b>	<b>4-15P01-GA</b>
Unit Size	5 mg
Used as a selective agent in mammalian cells at concentrations ranging from 400 to 1 000 µg/ml. G418 blocks polypeptide synthesis by inhibiting the elongation step in both prokaryotic and eukaryotic cells. Resistance to G418 is conferred by the Neomycin resistance gene (neo) from Tn5 encoding an aminoglycoside 3'-phosphotransferase, APH(3')-II.	

## Hygromycin B 50 mg/ml

<b>Cat. No.</b>	<b>4-21F01-E</b>
Unit Size	20 ml
Used as a selective agent in molecular genetics experiments on a wide variety of eukaryotic and prokaryotic species. The hph gene confers hygromycin-resistance to cells expressing it. Mammalian cells are sensitive to Hygromycin B concentrations of 50–200 µg/ml, and bacteria to 50–100 µg/ml.	

## Amphotericin B (Fungizone®)

<b>Cat. No.</b>	<b>4-05F00-H</b>
Unit Size	100 ml
<b>Presentation/ml</b>	<b>250 µg</b>
Suggested Working Conc.	2.5 µg/ml
Spectrum	Fungi/Yeasts

## Penicillin / Streptomycin / Fungizone®

<b>Cat. No.</b>	<b>4-02F00-H</b>
Unit Size	100 ml
<b>Presentation/ml</b>	<b>10 000 IU/10 000 µg/25 µg</b>
Suggested Working Conc.	1:100
Spectrum	Bacteria, Fungi, Yeasts

## Penicillin

<b>Cat. No.</b>	<b>4-12F00-H</b>
Unit Size	100 ml
<b>Presentation/ml</b>	<b>10 000 IU</b>
Suggested Working Conc.	1:100
Spectrum	Gram <sup>+</sup>

## Penicillin / Streptomycin

<b>Cat. No.</b>	<b>4-01F00-H</b>
Unit Size	100 ml
<b>Presentation/ml</b>	<b>10 000 IU/10 000 µg</b>
Suggested Working Conc.	1:100
Spectrum	Gram <sup>+</sup> /Gram <sup>-</sup>

## Gentamicin

<b>Cat. No.</b>	<b>4-07F00-H</b>
Unit Size	100 ml
<b>Presentation/ml</b>	<b>5 000 µg</b>
Suggested Working Conc.	50 µg/ml
Spectrum	Gram <sup>+</sup> /Gram <sup>-</sup> /Mycoplasma

## Neomycin

<b>Cat. No.</b>	<b>4-10F00-H</b>
Unit Size	100 ml
<b>Presentation/ml</b>	<b>10 000 µg</b>
Suggested Working Conc.	50 µg/ml
Spectrum	Gram <sup>+</sup> /Gram <sup>-</sup>

## Chlortetracyclin

<b>Cat. No.</b>	<b>4-06F00-H</b>
Unit Size	100 ml
<b>Presentation/ml</b>	<b>5 000 µg</b>
Suggested Working Conc.	20 µg/ml
Spectrum	Gram <sup>+</sup> /Gram <sup>-</sup>

## Tylosin

<b>Cat. No.</b>	<b>4-04F00-H</b>
Unit Size	100 ml
<b>Presentation/ml</b>	<b>5 000 µg</b>
Suggested Working Conc.	1:100–1:50
Spectrum	Gram <sup>+</sup> /Gram <sup>-</sup> /Mycoplasma

## Kanamycin

<b>Cat. No.</b>	<b>4-08F00-H</b>
Unit Size	100 ml
<b>Presentation/ml</b>	<b>5 000 µg</b>
Suggested Working Conc.	50–100 µg/ml
Spectrum	Gram <sup>+</sup> /Gram <sup>-</sup> /Mycoplasma





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