



2012 YEAST MEDIA CATALOG

SUNRISE SCIENCE PRODUCTS

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INC.

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2012 YEAST MEDIA CATALOG





WELCOME TO OUR CATALOG!

We hope you find what you are looking for and enjoy the search along the way. If you need a guide to help find the right media for your experiment, we are here for you. Please call, email or write to us so we can get you back on the path toward your next destination.

Warm wishes from our lab to yours,



David Simpson, Ph.D.



Liz Kylin Simpson



Sunrise Science Products was founded in 2005 in San Diego, CA. From the beginning, we promised ourselves and our customers we would be the kind of company people enjoyed working with and working for. We hold our customers and colleagues in the highest regard, and believe there is a place in this world for success in business without sacrificing values, relationships or common sense.

We actively work every day to ensure that communication with our office is as easy and convenient as the items you purchase. You can expect high-quality products that arrive when you need them backed by personal support and timely responses to your questions.

Our commitment to customization makes it easy for us to change or remove sugars, nitrogen, amino acids, salts, metals and more! Simply tell us what you want, or what you don't want, and your new catalog number will be created in a matter of days. We add new items several times a month, so please be sure to visit www.sunrisescience.com for the most up-to-date product listing.



Table of Contents

Complete Defined Yeast Media	8-23
Complete defined media (SD)	
with CSM amino acid mix (<i>S. cerevisiae</i>)	12-20
Complete defined media (SC Complete)	
with SC amino acid mix (<i>S. cerevisiae</i>)	20-21
Complete defined media for <i>S. pombe</i> (EMM & MMA)	21-23
Amino Acid Mixtures	25-49
Complete Supplement Mixture (CSM)	28-43
Synthetic Complete Mixture (SC)	44-47
Brent Supplement Mixture (BSM).	48
Hollenberg Supplement Mixture (HSM)	48
<i>S. pombe</i> supplements	48
Yeast Nitrogen Bases/Dropout Bases	51-58
YNB variations	52-54
YNB+Nitrogen variations	54-56
Burkhalter Media	56



Dropout Bases (DOB/DOBA)	56-57
AHC Powder	58
Nonselective (Rich) Growth Media	60-65
YPD	61-62
YPAD	62
YEP	62
YE	62-63
YM	63
MV	63
YKAC	63
ME	63
Presporulation/Sporulation Media	63
YES	64-65
Sugars	67
Amino Acids	68-69
Media Components & Supplements	70-71



3-AT . . . . .	.70
5-FOA . . . . .	.70
Adenine Hemisulfate . . . . .	.70
Agar . . . . .	.70
Ammonium Sulfate . . . . .	.70
Inositol . . . . .	.70
PABA . . . . .	.70
Thiamine Hydrochloride . . . . .	.71
Tryptone . . . . .	.71
Yeast Extract (Granulated) . . . . .	.71
Uracil . . . . .	.71
Lab Tools for Plating	72-73
EZ-Grid Colony Templates . . . . .	.73
Replica Plating Apparatus & Velvets . . . . .	.73
EZ-Plate Beads . . . . .	.73
Policies & Other Fine Print	75-76





COMPLETE DEFINED YEAST MEDIA

How do we define our defined media?

First, we start with Yeast Nitrogen Base (YNB). In our terminology, YNB is a base to which ammonium sulfate or another nitrogen source should be added. YNB contains salts, vitamins, and trace elements. Upon the addition of ammonium sulfate, YNB becomes “YNB+Nitrogen”. Please see pages 52-56 for YNB and YNB+Nitrogen formulations.

Adding glucose to YNB+Nitrogen creates a dropout base (DOB). If we add agar at this point, it is a dropout base with agar (DOBA). Please see pages 56-57 for DOB and DOBA formulations.

Where are the amino acids? At this point you can choose an amino acid mixture based on the concentrations and components of our CSM, SC, HSM or BSM formulations (see table on pages 26-27). When we choose a CSM amino acid mix and add it to either DOB or DOBA, it becomes a complete defined media (SD or SDA).

As you can see, an SD/SDA media is a combination of YNB, ammonium sulfate, glucose, and a CSM amino acid mixture. Don't want glucose? We offer dropout bases with galactose and raffinose. Don't want ammonium sulfate? Try ammonium chloride or glutamic acid. Want an SC blend of amino acids instead of a CSM? Order a DOB and the SC mixture you need. Or call us and we'll put together whatever you want!



The formulation for a complete SDA (synthetic defined with agar) media is below:

SALTS

Potassium phosphate (1000 mg/L)
Magnesium sulfate (500 mg/L)
Sodium chloride (100 mg/L)
Calcium chloride (100 mg/L)

VITAMINS

Biotin (0.002 mg/L)
Pantothenate, calcium (0.4 mg/L)
Folic acid (0.002 mg/L)
Inositol (2 mg/L)
Niacin (0.4 mg/L)
PABA (0.2 mg/L)
Pyridoxine (0.4 mg/L)
Riboflavin (0.2 mg/L)
Thiamine (0.4 mg/L)

TRACE ELEMENTS

Boric acid (0.5 mg/L)
Copper sulfate (0.04 mg/L)
Potassium iodide (0.1 mg/L)
Ferric chloride (0.2 mg/L)
Manganese sulfate (0.4 mg/L)
Sodium molybdate (0.2 mg/L)
Zinc sulfate (0.4 mg/L)

Ammonium Sulfate, 5 g/L

Glucose, 20 g/L

NUCLEOTIDES & AMINO ACIDS

Adenine (10 mg/L)
L-Arginine (50 mg/L)
L-Aspartic Acid (80 mg/L)
L-Histidine (20 mg/L)
L-Isoleucine (50 mg/L)
L-Leucine (100 mg/L)
L-Lysine (50 mg/L)
L-Methionine (20 mg/L)
L-Phenylalanine (50 mg/L)
L-Threonine (100 mg/L)
L-Tryptophan (50 mg/L)
L-Tyrosine (50 mg/L)
Uracil (20 mg/L)
L-Valine (140 mg/L)

Agar, 20 g/L



The formulation for SC Complete Medium is below:

SALTS

Potassium phosphate (1000 mg/L)
Magnesium sulfate (500 mg/L)
Sodium chloride (100 mg/L)
Calcium chloride (100 mg/L)

VITAMINS

Biotin (0.002 mg/L)
Pantothenate, calcium (0.4 mg/L)
Folic acid (0.002 mg/L)
Inositol (2 mg/L)
Niacin (0.4 mg/L)
PABA (0.2 mg/L)
Pyridoxine (0.4 mg/L)
Riboflavin (0.2 mg/L)
Thiamine (0.4 mg/L)

TRACE ELEMENTS

Boric acid (0.5 mg/L)
Copper sulfate (0.04 mg/L)
Potassium iodide (0.1 mg/L)
Ferric chloride (0.2 mg/L)
Manganese sulfate (0.4 mg/L)
Sodium molybdate (0.2 mg/L)
Zinc sulfate (0.4 mg/L)

Ammonium Sulfate, 5 g/L

Glucose, 20 g/L

NUCLEOTIDES & AMINO ACIDS

Adenine (21 mg/L)
L-Alanine (85.6 mg/L)
L-Arginine (85.6 mg/L)
L-Asparagine (85.6 mg/L)
L-Aspartic Acid (85.6 mg/L)
L-Cysteine (85.6 mg/L)

Glutamine (85.6 mg/L)
L-Glutamic Acid (85.6 mg/L)
Glycine (85.6 mg/L)
L-Histidine (85.6 mg/L)
Myo-Inositol (85.6 mg/L)
L-Isoleucine (85.6 mg/L)
L-Leucine (173.4 mg/L)
L-Lysine (85.6 mg/L)
L-Methionine (85.6 mg/L)
Para-Amino Benzoic Acid (PABA)
(8.6 mg/L)
L-Phenylalanine (85.6 mg/L)
L-Proline (85.6 mg/L)
L-Serine (85.6 mg/L)
L-Threonine (85.6 mg/L)
L-Tryptophan (85.6 mg/L)
L-Tyrosine (85.6 mg/L)
Uracil (85.6 mg/L)
L-Valine (85.6 mg/L)



The formulation for EMM (31.77 g/L) is below:

SALTS

MgCl₂ (anhydrous) (0.492 g/L)
CaCl₂ (14.7 mg/L)
KCl (1 g/L)
Na₂SO₄ (0.04 g/L)
Potassium phthalate (3 g/L)
Na₂HPO₄ (2.2 g/L)

VITAMINS

Pantothenic acid (1 mg/L)
Nicotinic acid (10 mg/L)
Inositol (10 mg/L)
D-Biotin (0.01 mg/L)

MINERALS

Boric acid (0.5 mg/L)
MnSO₄ (0.4 mg/L)
ZnSO₄ (0.4 mg/L)
FeCl₂ (0.2 mg/L)
Molybdic acid (40 µg/L)
Potassium Iodide (0.1 mg/L)
CuSO₄ (40 µg/L)
Citric acid (1 mg/L)

Ammonium Chloride (5 g/L)

Glucose (20 g/L)



Catalog #	Description	Price (USD)
Complete Defined Yeast Media with CSM Amino Acid Mix (<i>S. cerevisiae</i>)		
1701-300	SD Powder, 10 x 0.5 liter pouches	\$99.00
1701-500	SD Powder, 500 grams	\$275.00
1702-300	SDA Powder, 10 x 0.5 liter pouches	\$140.00
1702-500	SDA Powder, 500 grams	\$280.00
1782-250	SDA + 1 mg/ml FOA Powder, 250 grams	\$896.00
1797-300	SD-Glucose Powder, 10 x 0.5 liter pouches	\$99.00
1-Amino Acid Dropouts		
1711-300	SD-Ade Powder, 10 x 0.5 liter pouches	\$99.00
1711-500	SD-Ade Powder, 500 grams	\$275.00
1712-300	SDA-Ade Powder, 10 x 0.5 liter pouches	\$140.00
1712-010	SDA-Ade Powder, 10 grams	\$45.00
1712-500	SDA-Ade Powder, 500 grams	\$280.00
1712-700	SDA-Ade Agar Plates, 10 x 100mm	\$49.00
1705-300	SD-His Powder, 10 x 0.5 liter pouches	\$99.00
1705-500	SD-His Powder, 500 grams	\$275.00

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Catalog #	Description	Price (USD)
1795-100	SD-His 2% Galactose Powder, 100 grams	\$112.00
1795-500	SD-His 2% Galactose Powder, 500 grams	\$499.00
1706-300	SDA-His Powder, 10 x 0.5 liter pouches	\$140.00
1706-010	SDA-His Powder, 10 grams	\$45.00
1706-500	SDA-His Powder, 500 grams	\$280.00
1743-300	SD-Ile Powder, 10 x 0.5 liter pouches	\$99.00
1743-500	SD-Ile Powder, 500 grams	\$275.00
1707-300	SD-Leu Powder, 10 x 0.5 liter pouches	\$99.00
1707-400	SD-Leu Powder, 10 x 1.0 liter pouches	\$169.00
1707-010	SD-Leu Powder, 10 grams	\$45.00
1707-500	SD-Leu Powder, 500 grams	\$275.00
1792-100	SD-Leu 2% Galactose 1% Raffinose Powder, 100 grams	\$184.00
1792-250	SD-Leu 2% Galactose 1% Raffinose Powder, 250 grams	\$368.00
1708-300	SDA-Leu Powder, 10 x 0.5 liter pouches	\$140.00
1708-010	SDA-Leu Powder, 10 grams	\$45.00
1708-500	SDA-Leu Powder, 500 grams	\$280.00

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Catalog #	Description	Price (USD)
1745-300	SD-Lys Powder, 10 x 0.5 liter pouches	\$99.00
1745-500	SD-Lys Powder, 500 grams	\$275.00
1740-300	SD-Met Powder, 10 x 0.5 liter pouches	\$99.00
1740-100	SD-Met Powder, 100 grams	\$76.00
1740-500	SD-Met Powder, 500 grams	\$325.00
1709-300	SD-Trp Powder, 10 x 0.5 liter pouches	\$99.00
1709-010	SD-Trp Powder, 10 grams	\$45.00
1709-500	SD-Trp Powder, 500 grams	\$275.00
1710-300	SDA-Trp Powder, 10 x 0.5 liter pouches	\$140.00
1710-010	SDA-Trp Powder, 10 grams	\$45.00
1710-500	SDA-Trp Powder, 500 grams	\$280.00
1703-300	SD-Ura Powder, 10 x 0.5 liter pouches	\$99.00
1703-400	SD-Ura Powder, 10 x 1.0 liter pouches	\$169.00
1703-010	SD-Ura Powder, 10 grams	\$45.00
1703-100	SD-Ura Powder, 100 grams	\$76.00
1703-500	SD-Ura Powder, 500 grams	\$275.00

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Catalog #	Description	Price (USD)
1794-100	SD-Ura 2% Galactose Powder, 100 grams	\$112.00
1794-250	SD-Ura 2% Galactose Powder, 250 grams	\$254.00
1704-300	SDA-Ura Powder, 10 x 0.5 liter pouches	\$140.00
1704-010	SDA-Ura Powder, 10 grams	\$45.00
1704-500	SDA-Ura Powder, 500 grams	\$280.00
1783-100	SDA-Ura-Biotin Powder, 100 grams	\$76.00
2-Amino Acid Dropouts		
1775-010	SD-Ade-Ura Powder, 10 grams	\$45.00
1775-300	SD-Ade-Ura Powder, 10 x 0.5 liter pouches	\$99.00
1775-400	SD-Ade-Ura Powder, 10 x 1.0 liter pouches	\$169.00
1713-300	SD-His-Leu Powder, 10 x 0.5 liter pouches	\$99.00
1713-500	SD-His-Leu Powder, 500 grams	\$275.00
1714-300	SDA-His-Leu Powder, 10 x 0.5 liter pouches	\$140.00
1714-500	SDA-His-Leu Powder, 500 grams	\$280.00
1715-300	SD-His-Trp Powder, 10 x 0.5 liter pouches	\$99.00
1715-500	SD-His-Trp Powder, 500 grams	\$275.00

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Catalog #	Description	Price (USD)
1716-300	SDA-His-Trp Powder, 10 x 0.5 liter pouches	\$140.00
1716-500	SDA-His-Trp Powder, 500 grams	\$280.00
1717-300	SD-His-Ura Powder, 10 x 0.5 liter pouches	\$99.00
1717-500	SD-His-Ura Powder, 500 grams	\$275.00
1718-300	SDA-His-Ura Powder, 10 x 0.5 liter pouches	\$140.00
1718-500	SDA-His-Ura Powder, 500 grams	\$280.00
1786-010	SD-Leu-Met Powder, 10 grams	\$45.00
1786-300	SD-Leu-Met Powder, 10 x 0.5 liter pouches	\$99.00
1719-300	SD-Leu-Trp Powder, 10 x 0.5 liter pouches	\$99.00
1719-010	SD-Leu-Trp Powder, 10 grams	\$45.00
1719-500	SD-Leu-Trp Powder, 500 grams	\$275.00
1720-300	SDA-Leu-Trp Powder, 10 x 0.5 liter pouches	\$140.00
1720-010	SDA-Leu-Trp Powder, 10 grams	\$45.00
1720-500	SDA-Leu-Trp Powder, 500 grams	\$280.00
1721-300	SD-Leu-Ura Powder, 10 x 0.5 liter pouches	\$99.00
1721-500	SD-Leu-Ura Powder, 500 grams	\$275.00

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Catalog #	Description	Price (USD)
1789-050	SD-Leu-Ura-Glucose Powder, 50 grams	\$68.00
1793-100	SD-Leu-Ura 2% Galactose 1% Raffinose Powder, 100 grams	\$184.00
1722-300	SDA-Leu-Ura Powder, 10 x 0.5 liter pouches	\$140.00
1722-500	SDA-Leu-Ura Powder, 500 grams	\$280.00
1723-300	SD-Trp-Ura Powder, 10 x 0.5 liter pouches	\$99.00
1723-500	SD-Trp-Ura Powder, 500 grams	\$275.00
1724-300	SDA-Trp-Ura Powder, 10 x 0.5 liter pouches	\$140.00
1724-500	SDA-Trp-Ura Powder, 500 grams	\$280.00
3-Amino Acid Dropouts		
1754-250	SD-Ade-Leu-Trp Powder, 250 grams	\$144.00
1755-100	SD-Ade-Leu-Ura Powder, 100 grams	\$76.00
1755-500	SD-Ade-Leu-Ura Powder, 500 grams	\$275.00
1725-300	SD-His-Leu-Trp Powder, 10 x 0.5 liter pouches	\$99.00
1725-500	SD-His-Leu-Trp Powder, 500 grams	\$275.00
1726-300	SDA-His-Leu-Trp Powder, 10 x 0.5 liter pouches	\$140.00
1726-500	SDA-His-Leu-Trp Powder, 500 grams	\$280.00

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Catalog #	Description	Price (USD)
1727-300	SD-His-Leu-Ura Powder, 10 x 0.5 liter pouches	\$99.00
1727-500	SD-His-Leu-Ura Powder, 500 grams	\$275.00
1728-300	SDA-His-Leu-Ura Powder, 10 x 0.5 liter pouches	\$140.00
1728-500	SDA-His-Leu-Ura Powder, 500 grams	\$280.00
1790-100	SD-His-Leu-Ura 2% Galactose Powder, 100 grams	\$112.00
1790-500	SD-His-Leu-Ura 2% Galactose Powder, 500 grams	\$499.00
1791-500	SD-His-Leu-Ura 2% Raffinose Powder, 500 grams	\$699.00
1733-300	SD-His-Trp-Ura Powder, 10 x 0.5 liter pouches	\$99.00
1733-500	SD-His-Trp-Ura Powder, 500 grams	\$275.00
1796-250	SD-His-Trp-Ura 2% Galactose 1% Raffinose Powder, 250 grams	\$368.00
1734-300	SDA-His-Trp-Ura Powder, 10 x 0.5 liter pouches	\$140.00
1734-500	SDA-His-Trp-Ura Powder, 500 grams	\$280.00
1781-100	SD-Leu-Met-Trp Powder, 100 grams	\$76.00
1781-300	SD-Leu-Met-Trp Powder, 10 X 0.5 liter pouches	\$99.00
1781-500	SD-Leu-Met-Trp Powder, 500 grams	\$325.00
1729-300	SD-Leu-Trp-Ura Powder, 10 x 0.5 liter pouches	\$99.00

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Catalog #	Description	Price (USD)
1729-400	SD-Leu-Trp-Ura Powder, 10 x 1.0 liter pouches	\$169.00
1729-500	SD-Leu-Trp-Ura Powder, 500 grams	\$275.00
1730-300	SDA-Leu-Trp-Ura Powder, 10 x 0.5 liter pouches	\$140.00
1730-500	SDA-Leu-Trp-Ura Powder, 500 grams	\$280.00
4-Amino Acid Dropouts		
1735-300	SD-Ade-His-Leu-Trp Powder, 10 x 0.5 liter pouches	\$99.00
1735-500	SD-Ade-His-Leu-Trp Powder, 500 grams	\$275.00
1736-300	SDA-Ade-His-Leu-Trp Powder, 10 x 0.5 liter pouches	\$140.00
1736-500	SDA-Ade-His-Leu-Trp Powder, 500 grams	\$280.00
1731-300	SD-His-Leu-Trp-Ura Powder, 10 x 0.5 liter pouches	\$99.00
1731-500	SD-His-Leu-Trp-Ura Powder, 500 grams	\$275.00
1732-300	SDA-His-Leu-Trp-Ura Powder, 10 x 0.5 liter pouches	\$140.00
1732-500	SDA-His-Leu-Trp-Ura Powder, 500 grams	\$280.00
1788-100	SD-His-Leu-Trp-Ura-Glucose Powder, 100 grams	\$76.00
1788-500	SD-His-Leu-Trp-Ura-Glucose Powder, 500 grams	\$325.00
1737-100	SD-His-Met-Trp-Ura Powder, 100 grams	\$76.00

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Catalog #	Description	Price (USD)
1737-500	SD-His-Met-Trp-Ura Powder, 500 grams	\$325.00
1780-100	SD-Leu-Met-Trp-Ura Powder, 100 grams	\$76.00
1780-300	SD-Leu-Met-Trp-Ura Powder, 10 X 0.5 liter pouches	\$99.00
1780-500	SD-Leu-Met-Trp-Ura Powder, 500 grams	\$325.00
5-Amino Acid Dropouts		
1776-300	SD-Ade-His-Leu-Met-Trp Powder, 10 x 0.5 liter pouches	\$99.00
1787-100	SD-His-Leu-Met-Trp-Ura-Glucose Powder, 100 grams	\$76.00
1739-100	SD-His-Leu-Met-Trp-Ura Powder, 100 grams	\$76.00
1739-500	SD-His-Leu-Met-Trp-Ura Powder, 500 grams	\$325.00
6-Amino Acid Dropouts		
1777-100	SD-Ade-His-Leu-Met-Trp-Ura Powder, 100 grams	\$76.00
1777-500	SD-Ade-His-Leu-Met-Trp-Ura Powder, 500 grams	\$325.00
1778-100	SD-Ade-His-Leu-Met-Trp-Ura-Glucose Powder, 100 grams	\$76.00
Complete Defined Yeast Media with SC Amino Acid Mix (<i>S. cerevisiae</i>)		
1459-100	SC Complete Powder, 100 grams	\$95.00
1480-100	SC Complete-Ade Powder, 100 grams	\$95.00

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Catalog #	Description	Price (USD)
1481-100	SC Complete-His Powder, 100 grams	\$95.00
1474-100	SC Complete-Arg-Lys Powder, 100 grams	\$95.00
1474-250	SC Complete-Arg-Lys Powder, 250 grams	\$212.00
1460-250	SC Complete-Arg-Lys-Glucose Powder, 250 grams	\$254.00
1475-100	SC Complete-Leu-Trp Powder, 100 grams	\$95.00
1476-100	SC Complete-Leu-Trp-Ura Powder, 100 grams	\$95.00
1482-500	SC Complete-His-Leu-Met-Trp-Ura Powder, 500 grams	\$452.00
Complete Defined Yeast Media (<i>S. pombe</i>)		
2005-250	EMM Powder, 250 grams	\$99.00
2005-500	EMM Powder, 500 grams	\$190.00
2005-1KG	EMM Powder, 1 kg	\$304.00
2005-2KG	EMM Powder, 2 kg	\$606.00
2005-300	EMM Powder, 10 x 0.5 liter pouches	\$79.00
2005-400	EMM Powder, 10 x 1.0 liter pouches	\$158.00
2005-500ML	EMM Medium, Sterile, 500 ml	\$115.00
2006-1KG	EMM Agar Powder, 1kg	\$342.00



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Catalog #	Description	Price (USD)
2006-500	EMM Agar Powder, 500 grams	\$209.00
2032-1KG	EMM Agar+Ade+His+Lys Powder, 1 kg	\$398.00
2020-500	EMM-Glucose Powder, 500 grams	\$177.00
2025-100	EMM-Glucose-CaCl ₂ -MgCl ₂ Powder, 100 grams	\$80.00
2025-250	EMM-Glucose-CaCl ₂ -MgCl ₂ Powder, 250 grams	\$118.00
2024-500	EMM-Glucose-Nitrogen Powder, 500 grams	\$362.00
2019-250	EMM Low Glucose Powder, 250 grams	\$121.00
2019-500	EMM Low Glucose Powder, 500 grams	\$204.00
2026-100	EMM-Calcium Powder, 100 grams	\$82.00
2022-250	EMM-Inositol Powder, 250 grams	\$105.00
2022-500	EMM-Inositol Powder, 500 grams	\$194.00
2023-250	EMM-Nitrogen Powder, 250 grams	\$109.00
2023-500	EMM-Nitrogen Powder, 500 grams	\$184.00
2023-1KG	EMM-Nitrogen Powder, 1 kg	\$294.00
2023-2.5KG	EMM-Nitrogen Powder, 2.5 kg	\$725.00
2021-250	EMM-Sodium Phosphate Powder, 250 grams	\$105.00



Catalog #	Description	Price (USD)
2021-500	EMM-Sodium Phosphate Powder, 500 grams	\$176.00
2016-250	MB Medium Powder, 250 grams	\$159.00
2015-250	MMA Agar Powder, 250 grams	\$86.00
2015-500	MMA Agar Powder, 500 grams	\$152.00
2015-1KG	MMA Agar Powder, 1 kg	\$284.00
2015-300	MMA Agar Powder, 10 x 0.5 liter pouches	\$76.00
2015-400	MMA Agar Powder, 10 x 1.0 liter pouches	\$125.00

To order : phone (760) 889-0982  fax (888) 880-9197  info@sunrisescience.com





AMINO ACID MIXTURES

We offer several formulations of amino acid mixtures for working with *S. cerevisiae* and *S. pombe*. The sections that follow are broken first into the type of formulation (CSM, SC, BSM, HSM and SP), and then into groups of 1-amino acid dropout, 2-amino acid dropouts, etc. Within each section, dropped out amino acids are listed in alphabetical order.

Complete Supplement Mixture (CSM): Time-tested for virtually all strains of *S. cerevisiae*.

Synthetic Complete Mixture (SC): SC is also known as Hopkins Mixture. [F.Spencer et.al. *Targeted recombination-based cloning and manipulation of large DNA segments in yeast*. Methods: A companion to methods in enzymology 1993; 5:161-175].

Brent Supplement Mixture (BSM): For use with the Interaction Trap two-hybrid system. [Gyruis, J., et.al. 1993. *Cdi1, a human G1 and S phase protein phosphatase that associates with Cdk2*. Cell 75:791–803].

Hollenberg Supplement Mixture (HSM): For use with Hollenberg's modification of Field's two-hybrid system for HIS selection. Use HSM in conjunction with DOB w/Succinate. [Hollenberg, S.M., et.al. 1995. *Identification of a New Family of Tissue-Specific Basic Helix-Loop-Helix Proteins with a Two-Hybrid System*. Mol. and Cell Biol. 15, 3813].



AA Dropout Formulation Table

Component in mg/L	CSM	HSM	BSM	SC
Adenine	10*	100	40	21
L-Alanine	0	0	0	85.6
L-Arginine	50	100	20	85.6
L-Asparagine	0	0	0	85.6
L-Aspartic Acid	80	50	100	85.6
L-Cysteine	0	100	0	85.6
Glutamine	0	0	0	85.6
L-Glutamic Acid	0	0	100	85.6
Glycine	0	0	0	85.6
L-Histidine	20	50	20	85.6
Myo-Inositol	0	0	0	85.6
L-Isoleucine	50	50	300	85.6

*Minimum quantity for healthy growth and yet optimized to promote red color in certain adenine auxotrophs. Additional CSM formulations are available that contain 20 or 40 mg/Liter adenine

Table Continues on Next Page

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Component in mg/L	CSM	HSM	BSM	SC
L-Leucine	100	100	60	173.4
L-Lysine	50	100	30	85.6
L-Methionine**	20	50	20	85.6
Para-AminoBenzoic Acid (PABA)	0	0	0	8.6
L-Phenylalanine	50	50	50	85.6
L-Proline	0	50	0	85.6
L-Serine	0	50	375	85.6
L-Threonine**	100	100	200	85.6
L-Tryptophan	50	100	40	85.6
L-Tyrosine	50	50	30	85.6
Uracil	20	100	20	85.6
L-Valine	140	50	150	85.6

CSM = Complete Supplement Mixture
 SC = Synthetic Complete/Hopkins Mixture

HSM = Hollenberg Supplement Mixture
 BSM = Brent Supplement Mixture

**Note: In CSM mixtures lacking methionine, threonine must also be removed or it will inhibit methionine biosynthesis. Homoserine replaces threonine to allow biosynthesis of both threonine and methionine.



Catalog #	Description	Price (USD)
Complete Supplement Mixture (CSM)		
1001-010	CSM Powder, 10 grams	\$45.00
1001-100	CSM Powder, 100 grams	\$275.00
1128-010	CSM w/ Ade20 Powder, 10 grams	\$45.00
1128-100	CSM w/ Ade20 Powder, 100 grams	\$275.00
1210-010	CSM + 1 mg/ml FOA Powder, 10 grams	\$874.00
1-Amino Acid Dropouts		
1029-010	CSM-Ade Powder, 10 grams	\$45.00
1029-100	CSM-Ade Powder, 100 grams	\$275.00
1031-010	CSM-Arg Powder, 10 grams	\$45.00
1031-100	CSM-Arg Powder, 100 grams	\$275.00
1046-010	CSM-Asp Powder, 10 grams	\$45.00
1046-100	CSM-Asp Powder, 100 grams	\$275.00
1006-010	CSM-His Powder, 10 grams	\$45.00
1006-100	CSM-His Powder, 100 grams	\$275.00
1123-010	CSM-His w/ Ade20 Powder, 10 grams	\$45.00

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Catalog #	Description	Price (USD)
1123-100	CSM-His w/ Ade20 Powder, 100 grams	\$275.00
1023-010	CSM-His w/ Ade40 Powder, 10 grams	\$45.00
1023-100	CSM-His w/ Ade40 Powder, 100 grams	\$275.00
1048-010	CSM-Ile Powder, 10 grams	\$45.00
1048-100	CSM-Ile Powder, 100 grams	\$275.00
1005-010	CSM-Leu Powder, 10 grams	\$45.00
1005-100	CSM-Leu Powder, 100 grams	\$275.00
1033-010	CSM-Leu w/ Ade5 Powder, 10 grams	\$45.00
1033-100	CSM-Leu w/ Ade5 Powder, 100 grams	\$275.00
1101-010	CSM-Leu w/ Ade40 Powder, 10 grams	\$45.00
1101-100	CSM-Leu w/ Ade40 Powder, 100 grams	\$275.00
1032-010	CSM-Lys Powder, 10 grams	\$45.00
1032-100	CSM-Lys Powder, 100 grams	\$275.00
1019-010	CSM-Met Powder, 10 grams	\$65.00
1019-100	CSM-Met Powder, 100 grams	\$562.00
1050-010	CSM-Phe Powder, 10 grams	\$45.00

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Catalog #	Description	Price (USD)
1050-100	CSM-Phe Powder, 100 grams	\$275.00
1045-010	CSM-Thr Powder, 10 grams	\$45.00
1045-100	CSM-Thr Powder, 100 grams	\$275.00
1007-010	CSM-Trp Powder, 10 grams	\$45.00
1007-100	CSM-Trp Powder, 100 grams	\$275.00
1116-010	CSM-Trp w/ Ade20 Powder, 10 grams	\$45.00
1116-100	CSM-Trp w/ Ade20 Powder, 100 grams	\$275.00
1102-010	CSM-Trp w/ Ade40 Powder, 10 grams	\$45.00
1102-100	CSM-Trp w/ Ade40 Powder, 100 grams	\$275.00
1047-010	CSM-Tyr Powder, 10 grams	\$45.00
1047-100	CSM-Tyr Powder, 100 grams	\$275.00
1004-010	CSM-Ura Powder, 10 grams	\$45.00
1004-100	CSM-Ura Powder, 100 grams	\$275.00
1104-010	CSM-Ura w/ Ade20 Powder, 10 grams	\$45.00
1104-100	CSM-Ura w/ Ade20 Powder, 100 grams	\$275.00
1103-010	CSM-Ura w/ Ade40 Powder, 10 grams	\$45.00

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Catalog #	Description	Price (USD)
1103-100	CSM-Ura w/ Ade40 Powder, 100 grams	\$275.00
1049-010	CSM-Val Powder, 10 grams	\$45.00
1049-100	CSM-Val Powder, 100 grams	\$275.00
2-Amino Acid Dropouts		
1140-010	CSM-Ade-His Powder, 10 grams	\$45.00
1140-100	CSM-Ade-His Powder, 100 grams	\$275.00
1037-010	CSM-Ade-Leu Powder, 10 grams	\$45.00
1037-100	CSM-Ade-Leu Powder, 100 grams	\$275.00
1129-010	CSM-Ade-Lys Powder, 10 grams	\$45.00
1129-100	CSM-Ade-Lys Powder, 100 grams	\$275.00
1028-010	CSM-Ade-Trp Powder, 10 grams	\$45.00
1028-100	CSM-Ade-Trp Powder, 100 grams	\$275.00
1036-010	CSM-Ade-Ura Powder, 10 grams	\$45.00
1036-100	CSM-Ade-Ura Powder, 100 grams	\$275.00
1034-010	CSM-Arg-His Powder, 10 grams	\$45.00
1034-100	CSM-Arg-His Powder, 100 grams	\$275.00

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Catalog #	Description	Price (USD)
1042-010	CSM-Arg-Leu Powder, 10 grams	\$45.00
1042-100	CSM-Arg-Leu Powder, 100 grams	\$275.00
1198-010	CSM-Arg-Lys Powder, 10 grams	\$45.00
1198-100	CSM-Arg-Lys Powder, 100 grams	\$275.00
1098-010	CSM-Arg-Met Powder, 10 grams	\$65.00
1098-100	CSM-Arg-Met Powder, 100 grams	\$562.00
1079-010	CSM-Arg-Trp Powder, 10 grams	\$45.00
1079-100	CSM-Arg-Trp Powder, 100 grams	\$275.00
1022-010	CSM-Arg-Ura Powder, 10 grams	\$45.00
1022-100	CSM-Arg-Ura Powder, 100 grams	\$275.00
1011-010	CSM-His-Leu Powder, 10 grams	\$45.00
1011-100	CSM-His-Leu Powder, 100 grams	\$275.00
1110-010	CSM-His-Leu w/ Ade40 Powder, 10 grams	\$45.00
1110-100	CSM-His-Leu w/ Ade40 Powder, 100 grams	\$275.00
1090-010	CSM-His-Lys Powder, 10 grams	\$45.00
1090-100	CSM-His-Lys Powder, 100 grams	\$275.00

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Catalog #	Description	Price (USD)
1099-010	CSM-His-Met Powder, 10 grams	\$65.00
1099-100	CSM-His-Met Powder, 100 grams	\$562.00
1013-010	CSM-His-Trp Powder, 10 grams	\$45.00
1013-100	CSM-His-Trp Powder, 100 grams	\$275.00
1111-010	CSM-His-Trp w/ Ade40 Powder, 10 grams	\$45.00
1111-100	CSM-His-Trp w/ Ade40 Powder, 100 grams	\$275.00
1053-010	CSM-His-Tyr Powder, 10 grams	\$45.00
1053-100	CSM-His-Tyr Powder, 100 grams	\$275.00
1009-010	CSM-His-Ura Powder, 10 grams	\$45.00
1009-100	CSM-His-Ura Powder, 100 grams	\$275.00
1112-010	CSM-His-Ura w/ Ade40 Powder, 10 grams	\$45.00
1112-100	CSM-His-Ura w/ Ade40 Powder, 100 grams	\$275.00
1058-010	CSM-Ile-Ura Powder, 10 grams	\$45.00
1058-100	CSM-Ile-Ura Powder, 100 grams	\$275.00
1056-010	CSM-Ile-Val Powder, 10 grams	\$45.00
1056-100	CSM-Ile-Val Powder, 100 grams	\$275.00

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Catalog #	Description	Price (USD)
1043-010	CSM-Leu-Lys Powder, 10 grams	\$45.00
1043-100	CSM-Leu-Lys Powder, 100 grams	\$275.00
1093-010	CSM-Leu-Met Powder, 10 grams	\$65.00
1093-100	CSM-Leu-Met Powder, 100 grams	\$562.00
1012-010	CSM-Leu-Trp Powder, 10 grams	\$45.00
1012-100	CSM-Leu-Trp Powder, 100 grams	\$275.00
1115-010	CSM-Leu-Trp w/ Ade40 Powder, 10 grams	\$45.00
1115-100	CSM-Leu-Trp w/ Ade40 Powder, 100 grams	\$275.00
1038-010	CSM-Leu-Ura Powder, 10 grams	\$45.00
1038-100	CSM-Leu-Ura Powder, 100 grams	\$275.00
1113-010	CSM-Leu-Ura w/ Ade40 Powder, 10 grams	\$45.00
1113-100	CSM-Leu-Ura w/ Ade40 Powder, 100 grams	\$275.00
1035-010	CSM-Lys-Met Powder, 10 grams	\$65.00
1035-100	CSM-Lys-Met Powder, 100 grams	\$562.00
1054-010	CSM-Lys-Trp Powder, 10 grams	\$45.00
1054-100	CSM-Lys-Trp Powder, 100 grams	\$275.00

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Catalog #	Description	Price (USD)
1018-010	CSM-Lys-Ura Powder, 10 grams	\$45.00
1018-100	CSM-Lys-Ura Powder, 100 grams	\$275.00
1020-010	CSM-Met-Trp Powder, 10 grams	\$65.00
1020-100	CSM-Met-Trp Powder, 100 grams	\$562.00
1092-010	CSM-Met-Ura Powder, 10 grams	\$65.00
1092-100	CSM-Met-Ura Powder, 100 grams	\$562.00
1055-010	CSM-Phe-Tyr Powder, 10 grams	\$45.00
1055-100	CSM-Phe-Tyr Powder, 100 grams	\$275.00
1010-010	CSM-Trp-Ura Powder, 10 grams	\$45.00
1010-100	CSM-Trp-Ura Powder, 100 grams	\$275.00
1114-010	CSM-Trp-Ura+Ade40 Powder, 10 grams	\$45.00
1114-100	CSM-Trp-Ura+Ade40 Powder, 100 grams	\$275.00
3-Amino Acid Dropouts		
1024-010	CSM-Ade-His-Leu Powder, 10 grams	\$45.00
1024-100	CSM-Ade-His-Leu Powder, 100 grams	\$275.00
1139-010	CSM-Ade-His-Met Powder, 10 grams	\$65.00

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Catalog #	Description	Price (USD)
1139-100	CSM-Ade-His-Met Powder, 100 grams	\$562.00
1141-010	CSM-Ade-His-Trp Powder, 10 grams	\$45.00
1141-100	CSM-Ade-His-Trp Powder, 100 grams	\$275.00
1057-010	CSM-Ade-His-Ura Powder, 10 grams	\$45.00
1057-100	CSM-Ade-His-Ura Powder, 100 grams	\$275.00
1138-010	CSM-Ade-Leu-Met Powder, 10 grams	\$65.00
1138-100	CSM-Ade-Leu-Met Powder, 100 grams	\$562.00
1025-010	CSM-Ade-Leu-Trp Powder, 10 grams	\$45.00
1025-100	CSM-Ade-Leu-Trp Powder, 100 grams	\$275.00
1133-010	CSM-Ade-Leu-Ura Powder, 10 grams	\$45.00
1133-100	CSM-Ade-Leu-Ura Powder, 100 grams	\$275.00
1197-010	CSM-Ade-Met-Ura Powder, 10 grams	\$65.00
1197-100	CSM-Ade-Met-Ura Powder, 100 grams	\$562.00
1089-010	CSM-Ade-Trp-Ura Powder, 10 grams	\$45.00
1089-100	CSM-Ade-Trp-Ura Powder, 100 grams	\$275.00
1040-010	CSM-Arg-His-Lys Powder, 10 grams	\$45.00

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Catalog #	Description	Price (USD)
1040-100	CSM-Arg-His-Lys Powder, 100 grams	\$275.00
1039-010	CSM-Arg-His-Ura Powder, 10 grams	\$45.00
1039-100	CSM-Arg-His-Ura Powder, 100 grams	\$275.00
1199-010	CSM-Arg-Leu-Lys Powder, 10 grams	\$45.00
1199-100	CSM-Arg-Leu-Lys Powder, 100 grams	\$275.00
1041-010	CSM-Arg-Leu-Ura Powder, 10 grams	\$45.00
1041-100	CSM-Arg-Leu-Ura Powder, 100 grams	\$275.00
1078-010	CSM-Arg-Leu-Trp Powder, 10 grams	\$45.00
1078-100	CSM-Arg-Leu-Trp Powder, 100 grams	\$275.00
1081-010	CSM-Arg-Met-Ura Powder 10 grams	\$65.00
1081-100	CSM-Arg-Met-Ura Powder 100 grams	\$562.00
1080-010	CSM-Arg-Trp-Ura Powder, 10 grams	\$45.00
1080-100	CSM-Arg-Trp-Ura Powder, 100 grams	\$275.00
1044-010	CSM-His-Leu-Lys Powder, 10 grams	\$45.00
1044-100	CSM-His-Leu-Lys Powder, 100 grams	\$275.00
1144-010	CSM-His-Leu-Met Powder, 10 grams	\$65.00

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Catalog #	Description	Price (USD)
1144-100	CSM-His-Leu-Met Powder, 100 grams	\$562.00
1014-010	CSM-His-Leu-Trp Powder, 10 grams	\$45.00
1014-100	CSM-His-Leu-Trp Powder, 100 grams	\$275.00
1030-010	CSM-His-Leu-Trp w/ Ade40 Powder, 10 grams	\$45.00
1030-100	CSM-His-Leu-Trp w/ Ade40 Powder, 100 grams	\$275.00
1015-010	CSM-His-Leu-Ura Powder, 10 grams	\$45.00
1015-100	CSM-His-Leu-Ura Powder, 100 grams	\$275.00
1156-010	CSM-His-Lys-Trp Powder, 10 grams	\$45.00
1156-100	CSM-His-Lys-Trp Powder, 100 grams	\$275.00
1155-010	CSM-His-Lys-Ura Powder, 10 grams	\$45.00
1155-100	CSM-His-Lys-Ura Powder, 100 grams	\$275.00
1151-010	CSM-His-Met-Trp Powder, 10 grams	\$65.00
1151-100	CSM-His-Met-Trp Powder, 100 grams	\$562.00
1100-010	CSM-His-Met-Ura Powder, 10 grams	\$65.00
1100-100	CSM-His-Met-Ura Powder, 100 grams	\$562.00
1016-010	CSM-His-Trp-Ura Powder, 10 grams	\$45.00

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Catalog #	Description	Price (USD)
1016-100	CSM-His-Trp-Ura Powder, 100 grams	\$275.00
1083-010	CSM-Leu-Lys-Trp Powder, 10 grams	\$45.00
1083-100	CSM-Leu-Lys-Trp Powder, 100 grams	\$275.00
1021-010	CSM-Leu-Met-Trp Powder, 10 grams	\$65.00
1021-100	CSM-Leu-Met-Trp Powder, 100 grams	\$562.00
1146-010	CSM-Leu-Met-Ura Powder, 10 grams	\$65.00
1146-100	CSM-Leu-Met-Ura Powder, 100 grams	\$562.00
1170-010	CSM-Leu-Thr-Trp Powder, 10 grams	\$45.00
1170-100	CSM-Leu-Thr-Trp Powder, 100 grams	\$275.00
1017-010	CSM-Leu-Trp-Ura Powder, 10 grams	\$45.00
1017-100	CSM-Leu-Trp-Ura Powder, 100 grams	\$275.00
1157-010	CSM-Lys-Trp-Ura Powder, 10 grams	\$45.00
1157-100	CSM-Lys-Trp-Ura Powder, 100 grams	\$275.00
1149-010	CSM-Met-Trp-Ura Powder, 10 grams	\$65.00
1149-100	CSM-Met-Trp-Ura Powder, 100 grams	\$562.00

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Catalog #	Description	Price (USD)
4-Amino Acid Dropouts		
1142-010	CSM-Ade-Arg-His-Ura Powder, 10 grams	\$45.00
1142-100	CSM-Ade-Arg-His-Ura Powder, 100 grams	\$275.00
1134-010	CSM-Ade-His-Leu-Lys Powder, 10 grams	\$45.00
1134-100	CSM-Ade-His-Leu-Lys Powder, 100 grams	\$275.00
1027-010	CSM-Ade-His-Leu-Trp Powder, 10 grams	\$45.00
1027-100	CSM-Ade-His-Leu-Trp Powder, 100 grams	\$275.00
1087-010	CSM-Ade-His-Leu-Ura Powder, 10 grams	\$45.00
1087-100	CSM-Ade-His-Leu-Ura Powder, 100 grams	\$275.00
1084-010	CSM-Ade-Leu-Trp-Ura Powder, 10 grams	\$45.00
1084-100	CSM-Ade-Leu-Trp-Ura Powder, 100 grams	\$275.00
1096-010	CSM-Ade-Met-Trp-Ura Powder, 10 grams	\$65.00
1096-100	CSM-Ade-Met-Trp-Ura Powder, 100 grams	\$562.00
1200-010	CSM-Arg-His-Leu-Lys Powder, 10 grams	\$45.00
1200-100	CSM-Arg-His-Leu-Lys Powder, 100 grams	\$275.00
1154-010	CSM-Arg-His-Lys-Ura Powder, 10 grams	\$45.00

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Catalog #	Description	Price (USD)
1154-100	CSM-Arg-His-Lys-Ura Powder, 100 grams	\$275.00
1143-010	CSM-Arg-Leu-Lys-Ura Powder, 10 grams	\$45.00
1143-100	CSM-Arg-Leu-Lys-Ura Powder, 100 grams	\$275.00
1091-010	CSM-His-Leu-Lys-Trp Powder, 10 grams	\$45.00
1091-100	CSM-His-Leu-Lys-Trp Powder, 100 grams	\$562.00
1094-010	CSM-His-Leu-Met-Trp Powder, 10 grams	\$65.00
1094-100	CSM-His-Leu-Met-Trp Powder, 100 grams	\$562.00
1145-010	CSM-His-Leu-Met-Ura Powder, 10 grams	\$65.00
1145-100	CSM-His-Leu-Met-Ura Powder, 100 grams	\$562.00
1002-010	CSM-His-Leu-Trp-Ura Powder, 10 grams	\$45.00
1002-100	CSM-His-Leu-Trp-Ura Powder, 100 grams	\$275.00
1002-500	CSM-His-Leu-Trp-Ura Powder, 500 grams	\$1,240.00
1088-010	CSM-His-Lys-Trp-Ura Powder, 10 grams	\$45.00
1088-100	CSM-His-Lys-Trp-Ura Powder, 100 grams	\$275.00
1147-010	CSM-His-Met-Trp-Ura Powder, 10 grams	\$65.00
1147-100	CSM-His-Met-Trp-Ura Powder, 100 grams	\$562.00

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Catalog #	Description	Price (USD)
1158-010	CSM-Leu-Lys-Trp-Ura Powder, 10 grams	\$45.00
1158-100	CSM-Leu-Lys-Trp-Ura Powder, 100 grams	\$275.00
1097-010	CSM-Leu-Met-Trp-Ura Powder, 10 grams	\$65.00
1097-100	CSM-Leu-Met-Trp-Ura Powder, 100 grams	\$562.00
1169-010	CSM-Leu-Thr-Trp-Ura Powder, 10 grams	\$45.00
1169-100	CSM-Leu-Thr-Trp-Ura Powder, 100 grams	\$275.00
5-Amino Acid Dropouts		
1052-010	CSM-Ade-Arg-His-Leu-Trp Powder, 10 grams	\$45.00
1052-100	CSM-Ade-Arg-His-Leu-Trp Powder, 100 grams	\$275.00
1136-010	CSM-Ade-His-Leu-Lys-Trp Powder, 10 grams	\$45.00
1136-100	CSM-Ade-His-Leu-Lys-Trp Powder, 100 grams	\$275.00
1137-010	CSM-Ade-His-Leu-Met-Trp Powder, 10 grams	\$65.00
1137-100	CSM-Ade-His-Leu-Met-Trp Powder, 100 grams	\$562.00
1085-010	CSM-Ade-His-Leu-Trp-Ura Powder, 10 grams	\$45.00
1085-100	CSM-Ade-His-Leu-Trp-Ura Powder, 100 grams	\$275.00
1201-010	CSM-Arg-His-Leu-Lys-Ura Powder, 10 grams	\$45.00

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Catalog #	Description	Price (USD)
1201-100	CSM-Arg-His-Leu-Lys-Ura Powder, 100 grams	\$275.00
1051-010	CSM-Arg-His-Leu-Trp-Ura Powder, 10 grams	\$45.00
1051-100	CSM-Arg-His-Leu-Trp-Ura Powder, 100 grams	\$275.00
1086-010	CSM-His-Leu-Lys-Trp-Ura Powder, 10 grams	\$45.00
1086-100	CSM-His-Leu-Lys-Trp-Ura Powder, 100 grams	\$275.00
1095-010	CSM-His-Leu-Met-Trp-Ura Powder, 10 grams	\$65.00
1095-100	CSM-His-Leu-Met-Trp-Ura Powder, 100 grams	\$562.00
6-Amino Acid Dropouts		
1159-010	CSM-Ade-Arg-His-Leu-Trp-Ura Powder, 10 grams	\$45.00
1159-100	CSM-Ade-Arg-His-Leu-Trp-Ura Powder, 100 grams	\$275.00
1135-010	CSM-Ade-His-Leu-Lys-Trp-Ura Powder, 10 grams	\$45.00
1135-100	CSM-Ade-His-Leu-Lys-Trp-Ura Powder, 100 grams	\$275.00
1026-010	CSM-Ade-His-Leu-Met-Trp-Ura Powder, 10 grams	\$65.00
1026-100	CSM-Ade-His-Leu-Met-Trp-Ura Powder, 100 grams	\$562.00
1150-010	CSM-His-Leu-Lys-Met-Trp-Ura Powder, 10 grams	\$65.00
1150-100	CSM-His-Leu-Lys-Met-Trp-Ura Powder, 100 grams	\$562.00

To order : phone (760) 889-0982 ☀️ fax (888) 880-9197 ☀️ info@sunrisescience.com



Catalog #	Description	Price (USD)
Synthetic Complete Mixture (SC)		
1300-030	SC Powder, 30 grams	\$143.00
1381-030	SC + 1 mg/ml FOA Powder, 30 grams	\$1,443.00
1-Amino Acid Dropouts		
1302-030	SC-Ade Powder, 30 grams	\$143.00
1346-030	SC-Arg Powder, 30 grams	\$143.00
1355-030	SC-Gln Powder, 30 grams	\$143.00
1308-030	SC-Gly Powder, 30 grams	\$143.00
1308-100	SC-Gly Powder, 100 grams	\$453.00
1303-030	SC-His Powder, 30 grams	\$143.00
1304-030	SC-Leu Powder, 30 grams	\$143.00
1307-030	SC-Lys Powder, 30 grams	\$143.00
1343-030	SC-Met Powder, 30 grams	\$153.00
1354-030	SC-Thr Powder, 30 grams	\$143.00
1305-030	SC-Trp Powder, 30 grams	\$143.00
1306-030	SC-Ura Powder, 30 grams	\$143.00

To order : phone (760) 889-0982  fax (888) 880-9197  info@sunrisescience.com



Catalog #	Description	Price (USD)
2-Amino Acid Dropouts		
1310-030	SC-Ade-His Powder, 30 grams	\$143.00
1311-030	SC-Ade-Leu Powder, 30 grams	\$143.00
1312-030	SC-Ade-Trp Powder, 30 grams	\$143.00
1313-030	SC-Ade-Ura Powder, 30 grams	\$143.00
1347-030	SC-Arg-Lys Powder, 30 grams	\$143.00
1319-030	SC-Cys-Met Powder, 30 grams	\$153.00
1356-030	SC-Gln-Ura Powder, 30 grams	\$143.00
1314-030	SC-His-Leu Powder, 30 grams	\$143.00
1315-030	SC-His-Trp Powder, 30 grams	\$143.00
1309-030	SC-His-Ura Powder, 30 grams	\$143.00
1317-030	SC-Leu-Trp Powder, 30 grams	\$143.00
1318-030	SC-Leu-Ura Powder, 30 grams	\$143.00
1345-030	SC-Lys-Met Powder, 30 grams	\$153.00
1344-030	SC-Met-Ura Powder, 30 grams	\$153.00
1357-030	SC-Thr-Ura Powder, 30 grams	\$143.00

To order : phone (760) 889-0982 ☀️ fax (888) 880-9197 ☀️ info@sunrisescience.com



Catalog #	Description	Price (USD)
1316-030	SC-Trp-Ura Powder, 30 grams	\$143.00
3-Amino Acid Dropouts		
1358-030	SC-Ade-Trp-Ura Powder, 30 grams	\$143.00
1340-030	SC-Arg-Glu-Lys Powder, 30 grams	\$143.00
1341-030	SC-Arg-His-Leu Powder, 30 grams	\$143.00
1348-030	SC-Arg-Lys-Trp Powder, 30 grams	\$143.00
1349-030	SC-Arg-Lys-Ura Powder, 30 grams	\$143.00
1349-100	SC-Arg-Lys-Ura Powder, 100 grams	\$453.00
1325-030	SC-His-Leu-Trp Powder, 30 grams	\$143.00
1326-030	SC-His-Trp-Ura Powder, 30 grams	\$143.00
1324-030	SC-His-Leu-Met Powder, 30 grams	\$153.00
1324-250	SC-His-Leu-Met Powder, 250 grams	\$1,147.00
1327-030	SC-His-Leu-Ura Powder, 30 grams	\$143.00
1328-030	SC-Leu-Trp-Ura Powder, 30 grams	\$143.00
4-Amino Acid Dropouts		
1335-030	SC-Cys-Leu-Met-Ura Powder, 30 grams	\$153.00

To order : phone (760) 889-0982 ☀️ fax (888) 880-9197 ☀️ info@sunrisescience.com



Catalog #	Description	Price (USD)
1330-030	SC-Ade-His-Leu-Trp Powder, 30 grams	\$143.00
1331-030	SC-Ade-His-Leu-Ura Powder, 30 grams	\$143.00
1332-030	SC-Ade-His-Trp-Ura Powder, 30 grams	\$143.00
1333-030	SC-Ade-Leu-Trp-Ura Powder, 30 grams	\$143.00
1342-030	SC-Arg-His-Leu-Ura Powder, 30 grams	\$143.00
1334-030	SC-His-Leu-Trp-Ura Powder, 30 grams	\$143.00
5-Amino Acid Dropouts		
1337-030	SC-Ade-His-Leu-Met-Trp Powder, 30 grams	\$153.00
1337-100	SC-Ade-His-Leu-Met-Trp Powder, 100 grams	\$484.00
1301-030	SC-Ade-His-Leu-Trp-Ura Powder, 30 grams	\$143.00
1350-030	SC-Cys-His-Leu-Met-Ura Powder, 30 grams	\$153.00
1336-030	SC-His-Leu-Lys-Trp-Ura Powder, 30 grams	\$143.00
6-Amino Acid Dropouts		
1338-030	SC-Ade-His-Leu-Lys-Trp-Ura Powder, 30 grams	\$143.00
1339-030	SC-Ade-His-Leu-Met-Trp-Ura Powder, 30 grams	\$153.00

To order : phone (760) 889-0982 ☀️ fax (888) 880-9197 ☀️ info@sunrisescience.com



Catalog #	Description	Price (USD)
Brent Supplement Mixture (BSM)		
1382-025	BSM-Ura Powder, 25 grams	\$75.00
1385-100	BSM-Ile-Leu Powder, 100 grams	\$195.00
1384-025	BSM-Ile-Ura Powder, 25 grams	\$75.00
1386-100	BSM-His-Ile-Leu-Ura Powder, 100 grams	\$195.00
1383-100	BSM-His-Leu-Lys-Trp-Ura+Ile30 Powder, 100 grams	\$195.00
Hollenberg Supplement Mixture (HSM)		
1410-100	HSM Powder, 100 grams	\$446.00
1424-100	HSM-Ade-Ura Powder, 100 grams	\$446.00
1419-100	HSM-Leu-Lys-Ura Powder, 100 grams	\$446.00
1418-100	HSM-Lys-Trp-Ura Powder, 100 grams	\$446.00
1417-100	HSM-His-Lys-Trp-Ura Powder, 100 grams	\$446.00
1420-100	HSM-Leu-Lys-Trp-Ura Powder, 100 grams	\$446.00
1421-100	HSM-His-Leu-Lys-Trp-Ura Powder, 100 grams	\$446.00

To order : phone (760) 889-0982 ☀ fax (888) 880-9197 ☀ info@sunrisescience.com



Catalog #	Description	Price (USD)
<i>S. pombe</i> (SP) Supplements		
2200-010	SP Complete Supplements, 10 grams	\$60.00
2200-100	SP Complete Supplements, 100 grams	\$183.00
2205-010	SP-Ade-Leu-Ura Supplements, 10 grams	\$60.00
2205-100	SP-Ade-Leu-Ura Supplements, 100 grams	\$183.00
2203-010	SP-Leu Supplements Powder, 10 grams	\$60.00
2203-100	SP-Leu Supplements Powder, 100 grams	\$183.00
2204-100	SP-Leu (225) Supplements Powder, 100 grams	\$183.00
2201-010	SP-Leu-Ura Supplements, 10 grams	\$60.00
2201-100	SP-Leu-Ura Supplements, 100 grams	\$183.00
2202-010	SP-Lys Supplements, 10 grams	\$60.00
2202-100	SP-Lys Supplements, 100 grams	\$183.00

SP Supplements contain 50 mg/L (or 225 mg/L if indicated) each of adenine, histidine, leucine, uracil and lysine.





YEAST NITROGEN AND DROPOUT BASES

The salts, vitamins and trace elements listed on page 9 make up our standard YNB Powder. The addition of 5 g/L ammonium sulfate makes YNB+Nitrogen, and the further addition of 20 g/L glucose makes our standard DOB (dropout base) Powder.

On the following pages you will find not only the standard recipes but variations in vitamins, trace elements, salts and sugars as well. If you don't see what you need, we'll be happy to make it for you!



Catalog #	Description	Price (USD)
Yeast Nitrogen Base		
Without Nitrogen		
1500-100	YNB Powder, 100 grams	\$50.00
1500-250	YNB Powder, 250 grams	\$116.00
1500-500	YNB Powder, 500 grams	\$220.00
1500-5KG	YNB Powder, 5 kg	\$1,760.00
1560-250	YNB Trace Elements and Vitamins+Glucose Powder, 250 grams	\$108.00
1523-100	YNB-Biotin Powder, 100 grams	\$76.00
1554-250	YNB-Biotin-Sulfate-Thiamine Powder, 250 grams	\$153.00
1529-100	YNB-CaCl ₂ Powder, 100 grams	\$76.00
1529-250	YNB-CaCl ₂ Powder, 250 grams	\$153.00
1529-500	YNB-CaCl ₂ Powder, 500 grams	\$266.00
1519-100	YNB-CaCl ₂ -CuSO ₄ -FeCl ₃ Powder, 100 grams	\$104.00
1525-100	YNB-CaCl ₂ -MgSO ₄ Powder, 100 grams	\$76.00
1525-250	YNB-CaCl ₂ -MgSO ₄ Powder, 250 grams	\$153.00
1522-500	YNB-CaCl ₂ -MnSO ₄ Powder, 500 grams	\$266.00

To order : phone (760) 889-0982 ☀️ fax (888) 880-9197 ☀️ info@sunrisescience.com



Catalog #	Description	Price (USD)
1526-250	YNB-CuSO ₄ -FeCl ₃ Powder, 250 grams	\$227.00
1526-500	YNB-CuSO ₄ -FeCl ₃ Powder, 500 grams	\$428.00
1535-050	YNB-Folic Acid-Riboflavin Powder, 50 grams	\$44.00
1535-250	YNB-Folic Acid-Riboflavin Powder, 250 grams	\$153.00
1518-100	YNB-Folic Acid-Riboflavin-Thiamine Powder, 100 grams	\$76.00
1533-050	YNB-Inositol Powder, 50 grams	\$44.00
1550-100	YNB-FeCl ₃ Powder, 100 grams	\$104.00
1521-100	YNB-MgSO ₄ Powder, 100 grams	\$76.00
1532-100	YNB-Potassium Phosphate Powder, 100 grams	\$76.00
1532-500	YNB-Potassium Phosphate Powder, 500 grams	\$266.00
1520-100	YNB-KH ₂ PO ₄ -NaCl Powder, 100 grams	\$76.00
1534-050	YNB-Thiamine Powder, 50 grams	\$44.00
1534-250	YNB-Thiamine Powder, 250 grams	\$153.00
1534-500	YNB-Thiamine Powder, 500 grams	\$266.00
1538-250	YNB-Sulfate Powder, 250 grams	\$153.00
1538-1KG	YNB-Sulfate Powder, 1 kg	\$430.00

To order : phone (760) 889-0982 ☀️ fax (888) 880-9197 ☀️ info@sunrisescience.com



Catalog #	Description	Price (USD)
1524-100	YNB-Vitamins Powder, 100 grams	\$76.00
1541-050	YNB-ZnSO ₄ Powder, 50 grams	\$44.00
1541-250	YNB-ZnSO ₄ Powder, 250 grams	\$153.00
With Nitrogen		
1501-100	YNB+Nitrogen Powder, 100 grams	\$70.00
1501-250	YNB+Nitrogen Powder, 250 grams	\$135.00
1501-500	YNB+Nitrogen Powder, 500 grams	\$245.00
1501-1KG	YNB+Nitrogen Powder, 1 kg	\$445.00
1501-5KG	YNB+Nitrogen Powder, 5 kg	\$1,575.00
1528-100	YNB+Nitrogen-CaCl ₂ Powder, 100 grams	\$65.00
1528-250	YNB+Nitrogen-CaCl ₂ Powder, 250 grams	\$129.00
1528-500	YNB+Nitrogen-CaCl ₂ Powder, 500 grams	\$246.00
1548-100	YNB+Nitrogen-CaCl ₂ -CuSO ₄ -FeCl ₃ Powder, 100 grams	\$72.00
1545-100	YNB+Nitrogen-CuSO ₄ Powder, 100 grams	\$65.00
1527-100	YNB+Nitrogen-CuSO ₄ -FeCl ₃ Powder, 100 grams	\$72.00
1527-250	YNB+Nitrogen-CuSO ₄ -FeCl ₃ Powder, 250 grams	\$150.00

To order : phone (760) 889-0982  fax (888) 880-9197  info@sunrisescience.com



Catalog #	Description	Price (USD)
1527-500	YNB+Nitrogen-CuSO ₄ -FeCl ₃ Powder, 500 grams	\$286.00
1543-100	YNB+Nitrogen-CaCl ₂ -Folic Acid-Riboflavin Powder, 100 grams	\$65.00
1553-050	YNB+Nitrogen-Folic Acid Powder, 50 grams	\$50.00
1536-050	YNB+Nitrogen-Folic Acid-Riboflavin Powder, 50 grams	\$50.00
1536-250	YNB+Nitrogen-Folic Acid-Riboflavin Powder, 250 grams	\$129.00
1544-100	YNB+Nitrogen-Folic Acid-Riboflavin-CuSO ₄ Powder, 100 grams	\$65.00
1544-250	YNB+Nitrogen-Folic Acid-Riboflavin-CuSO ₄ Powder, 250 grams	\$129.00
1549-100	YNB+Nitrogen-Folic Acid-Riboflavin-Thiamine Powder, 100 grams	\$65.00
1552-050	YNB+Nitrogen-Inositol Powder, 50 grams	\$50.00
1551-050	YNB+Nitrogen-FeCl ₃ Powder, 50 grams	\$60.00
1539-250	YNB+Nitrogen-MnSO ₄ Powder, 250 grams	\$129.00
1542-250	YNB+Nitrogen-Metals Powder, 250 grams	\$129.00
1546-100	YNB+Nitrogen-Niacin Powder, 100 grams	\$65.00
1547-050	YNB+Nitrogen-Pantothenate Powder, 50 grams	\$50.00
1540-250	YNB+Nitrogen-KH ₂ PO ₄ & Divalent Cations, 250 grams	\$129.00
1531-100	YNB+Nitrogen-Sulfate, 100 grams	\$65.00

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Catalog #	Description	Price (USD)
1531-250	YNB+Nitrogen-Sulfate, 250 grams	\$129.00
1531-1KG	YNB+Nitrogen-Sulfate, 1 kg	\$438.00
1537-250	YNB+Nitrogen-Thiamine Powder, 250 grams	\$129.00
1537-500	YNB+Nitrogen-Thiamine Powder, 500 grams	\$246.00
1998-020-1L	Burkhalter Media (Sterile Liquid), 1L	\$132.00
1998-020-500	Burkhalter Media Powder, 500 grams	\$295.00
Yeast Dropout Base		
1650-250	DOB Powder, 250 grams	\$103.00
1650-500	DOB Powder, 500 grams	\$196.00
1650-1KG	DOB Powder, 1kg	\$372.00
1651-250	DOBA Powder, 250 grams	\$156.00
1651-500	DOBA Powder, 500 grams	\$298.00
1651-1KG	DOBA Powder, 1kg	\$564.00
1652-250	DOB 2% Galactose Powder, 250 grams	\$218.00
1652-500	DOB 2% Galactose Powder, 500 grams	\$396.00

To order : phone (760) 889-0982 ☀ fax (888) 880-9197 ☀ info@sunrisescience.com



Catalog #	Description	Price (USD)
1652-1KG	DOB 2% Galactose Powder, 1kg	\$750.00
1653-250	DOBA 2% Galactose Powder, 250 grams	\$283.00
1653-500	DOBA 2% Galactose Powder, 500 grams	\$514.00
1653-1KG	DOBA 2% Galactose Powder, 1kg	\$972.00
1656-250	DOB 2% Galactose 1% Raffinose Powder, 250 grams	\$311.00
1656-500	DOB 2% Galactose 1% Raffinose Powder, 500 grams	\$594.00
1656-1KG	DOB 2% Galactose 1% Raffinose Powder, 1 kg	\$1,180.00
1654-250	DOB 2% Raffinose Powder, 250 grams	\$395.00
1654-500	DOB 2% Raffinose Powder, 500 grams	\$750.00
1654-1KG	DOB 2% Raffinose Powder, 1kg	\$1,420.00
1655-250	DOBA 2% Raffinose Powder, 250 grams	\$384.00
1655-500	DOBA 2% Raffinose Powder, 500 grams	\$730.00
1655-1KG	DOBA 2% Raffinose Powder, 1kg	\$1,384.00
1657-250	DOB-Glucose+Succinate Powder, 250 grams	\$272.00

To order : phone (760) 889-0982 ☀️ fax (888) 880-9197 ☀️ info@sunrisescience.com



Catalog #	Description	Price (USD)
1691-250	AHC Powder, 250 grams*	\$149.00
1691-500	AHC Powder, 500 grams	\$283.00
1692-250	AHC Agar Powder, 250 grams	\$158.00
1692-500	AHC Agar Powder, 500 grams	\$299.00

*AHC Media contains Yeast Nitrogen Base (1.7g/L), ammonium sulfate (5g/L), dextrose (20g/L), adenine sulfate (0.02g/L) and casein hydrolysate (10g/L). AHC Agar includes 17 g/L of agar.





NONSELECTIVE (RICH) GROWTH MEDIA

YPD (YEPD) Medium contains peptone (20g/L), yeast extract (10g/L) and dextrose (20g/L). **YPAD** contains the same plus 40mg/L Adenine.

YEP Medium contains peptone (20g/L) and yeast extract (10g/L).

YE Medium contains dextrose (30g/L) and yeast extract (5g/L).

YM Medium contains yeast extract (3g/L), malt extract (3g/L), peptone (5g/L) and dextrose (10g/L).

MV Agar contains YNB Powder (1.5 g/L), ammonium sulfate (5.2 g/L), dextrose (20 g/L), and agar (20 g/L).

YKAC Agar contains yeast extract (2.5g/L), potassium acetate (10g/L) and agar (20g/L).

ME Medium contains malt extract (30g/L) and 50 mg/L each of adenine, histidine, leucine and uracil.

Presporulation Medium contains potassium acetate (20g/L), yeast extract (8g/L) and peptone (3g/L).

Sporulation Agar contains potassium acetate (20g/L), yeast extract (1g/L) and agar (17g/L).

YES 50 Media contains 5 g/L yeast extract, 30 g/L glucose and 50 mg/L each of adenine, histidine, leucine, uracil and lysine. In **YES 225 Media** the supplement concentration is increased from 50 mg/L to 225 mg/L.



Catalog #	Description	Price (USD)
Nonselective Yeast Growth Media (<i>S. cerevisiae</i>/<i>S. pombe</i>)		
1860-500	YPD-V Powder, 500 grams (animal-free)	\$148.00
1860-1KG	YPD-V Powder, 1 kg (animal-free)	\$236.00
1875-025	YPD Powder, 25 grams	\$24.00
1875-100	YPD Powder, 100 grams	\$32.00
1875-250	YPD Powder, 250 grams	\$42.00
1875-500	YPD Powder, 500 grams	\$85.00
1875-1KG	YPD Powder, 1 kg	\$135.00
1875-2.5KG	YPD Powder, 2.5 kg	\$325.00
1875-400	YPD Powder, 10 x 1.0 liter pouches	\$98.00
1875-019	YPD Medium, Sterile, 500 ml	\$81.00
1876-025	YPD Agar, 25 grams	\$35.00
1876-250	YPD Agar, 250 grams	\$64.00
1876-500	YPD Agar, 500 grams	\$115.00
1876-1KG	YPD Agar, 1 kg	\$162.00
1876-400	YPD Agar, 10 x 1.0 liter pouches	\$140.00

To order : phone (760) 889-0982 ☀️ fax (888) 880-9197 ☀️ info@sunrisescience.com



Catalog #	Description	Price (USD)
1876-725	YPD Agar Slant, 2.5 ml, Box of 25	\$175.00
1879-250	YPAD Powder, 250 grams	\$70.00
1879-500	YPAD Powder, 500 grams	\$130.00
1879-1KG	YPAD Powder, 1kg	\$182.00
1879-400	YPAD Powder, 10 x 1.0 liter pouches	\$108.00
1880-250	YPAD Agar, 250 grams	\$82.00
1880-500	YPAD Agar, 500 grams	\$165.00
1880-1KG	YPAD Agar, 1 kg	\$175.00
1880-400	YPAD Agar, 10 x 1.0 liter pouches	\$154.00
1877-250	YEP Powder, 250 grams	\$72.00
1877-500	YEP Powder, 500 grams	\$126.00
1877-1KG	YEP Powder, 1 kg	\$205.00
1877-400	YEP Powder, 10 x 1.0 liter pouches	\$172.00
2007-250	YE Powder, 250 grams	\$55.00
2007-500	YE Powder, 500 grams	\$94.00

To order : phone (760) 889-0982  fax (888) 880-9197  info@sunrisescience.com



Catalog #	Description	Price (USD)
2007-1KG	YE Powder, 1 kg	\$178.00
2008-250	YE Agar Powder, 250 grams	\$72.00
2008-500	YE Agar Powder, 500 grams	\$120.00
2008-1KG	YE Agar Powder, 1 kg	\$195.00
1870-500	YM Powder, 500 grams	\$127.00
1871-500	YM Agar Powder, 500 grams	\$139.00
1590-100	MV Agar, 100 grams	\$75.00
1882-100	YKAC Agar, 100 grams	\$64.00
2013-500	ME Powder, 500 grams	\$224.00
2014-500	ME Agar Powder, 500 grams	\$209.00
1821-250	Presporulation Medium Broth, 250 grams	\$149.00
1821-500	Presporulation Medium Broth, 500 grams	\$289.00
1822-250	Sporulation Medium Agar, 250 grams	\$141.00
1822-500	Sporulation Medium Agar, 500 grams	\$269.00

To order : phone (760) 889-0982 ☀️ fax (888) 880-9197 ☀️ info@sunrisescience.com



Catalog #	Description	Price (USD)
Nonselective Yeast Growth Media (<i>S. pombe</i>)		
2009-250	YES 50 Powder, 250 grams	\$52.00
2009-500	YES 50 Powder, 500 grams	\$75.00
2009-1KG	YES 50 Powder, 1 kg	\$131.00
2009-300	YES 50 Powder, 10 x 0.5 liter pouches	\$44.00
2009-400	YES 50 Powder, 10 x 1.0 liter pouches	\$79.00
2011-250	YES 225 Powder, 250 grams	\$52.00
2011-500	YES 225 Powder, 500 grams	\$75.00
2011-1KG	YES 225 Powder, 1 kg	\$131.00
2011-2.5KG	YES 225 Powder, 2.5 kg	\$325.00
2010-250	YES 50 Agar Powder, 250 grams	\$62.00
2010-500	YES 50 Agar Powder, 500 grams	\$95.00
2010-1KG	YES 50 Agar Powder, 1 kg	\$152.00
2010-300	YES 50 Agar Powder, 10 x 0.5 liter pouches	\$47.00
2010-400	YES 50 Agar Powder, 10 x 1.0 liter pouches	\$93.00
2012-250	YES 225 Agar Powder, 250 grams	\$62.00

To order : phone (760) 889-0982 ☀ fax (888) 880-9197 ☀ info@sunrisescience.com



Catalog #	Description	Price (USD)
2012-500	YES 225 Agar Powder, 500 grams	\$95.00
2012-1KG	YES 225 Agar Powder, 1 kg	\$152.00

To order : phone (760) 889-0982  fax (888) 880-9197  info@sunrisescience.com





SUGARS

Catalog #	Description	Price (USD)
1900-500	Glucose, 20% (sterile), 500 ml	\$28.00
1907-500	Glucose, Powder, 500 grams	\$27.00
1907-1KG	Glucose Powder, 1 kg	\$38.00
1901-500	Galactose, 20% (sterile), 500 ml	\$146.00
1908-250	Galactose, Powder, 250 grams	\$175.00
1908-500	Galactose, Powder, 500 grams	\$318.00
1908-1KG	Galactose, Powder, 1 kg	\$530.00
1902-500	Raffinose, 20% (sterile), 500 ml	\$318.00
1909-025	Raffinose, Powder, 25 grams	\$48.00
1909-250	Raffinose, Powder, 250 grams	\$325.00
1909-500	Raffinose, Powder, 500 grams	\$633.00
1916-500	Sorbitol Powder, 500 grams	\$54.00
1916-1KG	Sorbitol Powder, 1 kg	\$86.00

To order : phone (760) 889-0982 ☀️ fax (888) 880-9197 ☀️ info@sunrisescience.com





AMINO ACIDS

Catalog #	Description	Price (USD)
1970-010	L-alanine, Yeast Culture Grade, 10 grams	\$19.00
1971-010	L-arginine, Yeast Culture Grade, 10 grams	\$19.00
1972-010	L-asparagine, Yeast Culture Grade, 10 grams	\$19.00
1973-010	L-aspartic acid, Yeast Culture Grade, 10 grams	\$19.00
1974-010	L-cysteine, Yeast Culture Grade, 10 grams	\$19.00
1975-010	L-glutamine, Yeast Culture Grade, 10 grams	\$19.00
1976-010	L-glutamic acid, Yeast Culture Grade, 10 grams	\$19.00
1977-010	L-glycine, Yeast Culture Grade, 10 grams	\$19.00
1978-010	L-histidine, Yeast Culture Grade, 10 grams	\$19.00
1979-010	L-isooleucine, Yeast Culture Grade, 10 grams	\$19.00
1980-010	L-leucine, Yeast Culture Grade, 10 grams	\$19.00
1981-010	L-lysine, Yeast Culture Grade, 10 grams	\$19.00
1982-010	L-methionine, Yeast Culture Grade, 10 grams	\$19.00
1983-010	L-phenylalanine, Yeast Culture Grade, 10 grams	\$19.00

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Catalog #	Description	Price (USD)
1984-010	L-proline, Yeast Culture Grade, 10 grams	\$27.00
1984-100	L-proline, Yeast Culture Grade, 100 grams	\$243.00
1985-010	L-serine, Yeast Culture Grade, 10 grams	\$27.00
1986-010	L-threonine, Yeast Culture Grade, 10 grams	\$19.00
1987-010	L-tryptophan, Yeast Culture Grade, 10 grams	\$27.00
1988-010	L-tyrosine, Yeast Culture Grade, 10 grams	\$19.00
1989-010	L-valine, Yeast Culture Grade, 10 grams	\$19.00
1997-005	DL-homoserine, Yeast Culture Grade, 5 grams	\$244.00

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MEDIA COMPONENTS & SUPPLEMENTS

Catalog #	Description	Price (USD)
Media Components & Supplements		
1920-010	3-AT (3 amino-1,2,4-triazole), 10 grams	\$29.00
1920-050	3-AT (3 amino-1,2,4-triazole), 50 grams	\$76.00
1921-001	5-FOA (5-Fluoroorotic acid), 1 gram	\$136.00
1905-010	Adenine Hemisulfate, 10 grams	\$55.00
1905-100	Adenine Hemisulfate, 100 grams	\$345.00
1910-500	Agar, Yeast Culture Grade, 500 grams	\$94.00
1910-1KG	Agar, Yeast Culture Grade, 1 kg	\$175.00
1911-100	Ammonium Sulfate Powder, 100 grams (Yeast Culture Grade)	\$84.00
1911-250	Ammonium Sulfate Powder, 250 grams (Yeast Culture Grade)	\$199.00
1911-500	Ammonium Sulfate Powder, 500 grams (Yeast Culture Grade)	\$399.00
1911-1Kg	Ammonium Sulfate Powder, 1 kg (Yeast Culture Grade)	\$756.00
1995-010	Inositol, Yeast Culture Grade, 10 grams	\$19.00
1996-010	4-aminobenzoic acid (PABA), Yeast Culture Grade, 10 grams	\$32.00

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Catalog #	Description	Price (USD)
1994-010	Thiamine Hydrochloride, Yeast Culture Grade, 10 grams	\$40.00
1914-100	Tryptone Powder, 100 grams	\$32.00
1914-250	Tryptone Powder, 250 grams	\$46.00
1914-500	Tryptone Powder, 500 grams	\$80.00
1914-1KG	Tryptone Powder, 1 kg	\$128.00
1912-500	Yeast Extract, Granulated, 500 grams	\$99.00
1912-1KG	Yeast Extract, Granulated, 1 kg	\$198.00
1915-1KG	Yeast Extract, 1 kg	\$159.00
1906-010	Uracil, 10 grams	\$19.00
Buffers and Reagents		
5800-500	10X PBS, Sterile, 500 ml (pH 7.3 - 7.5)	\$25.00



LAB TOOLS FOR PLATING

EZ-Plate™ Beads

- Consistent distribution of colonies
- Eliminate hazards of flame, ethanol and glass rods
- Plate cells in just seconds

Sterile EZ-Plate™ Beads allow the plating of 25-400 μ l of bacterial or yeast cells across the surface of an agar plate, providing a safer, faster alternative to a glass rod sterilized with ethanol and flame. Dispense several glass beads per plate from the convenient, skirted 50 ml conical tube. Pack of 2 contains enough beads for 160 standard 100 mm plates.

EZ-Grid™ Colony Templates

Reusable EZ-Grid™ Colony Templates adhere to the outside of a standard 100 mm Petri dish. Notched for orientation, templates are available in both 24-square and 48-square grids.



Replica Plating Apparatus

Use with Sterile Velvet Pads to transfer colonies while retaining colony orientation.





Catalog #	Description	Price (USD)
3002-24	EZ-Grid Colony Template, 24 squares, 10 Pack	\$15.00
3002-48	EZ-Grid Colony Template, 48 squares, 10 Pack	\$15.00
3001-000	EZ-Plate Beads, 2 Pack	\$16.00
3005-001	Replica Plating Apparatus, 100 mm	\$99.00
3005-002	Replica Plating Apparatus, 150 mm	\$125.00
3005-011	Velvet Replica Plating Pads, 6x6 (10 pack)	\$45.00
3005-012	Velvet Replica Plating Pads, 9x9 (10 pack)	\$58.00

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