

CultGene[™] Molecular Biology

Manufactured by
HARDY
DIAGNOSTICS
A Culture of Service[™]



Molecular Biology

Table of Contents

- 1 Bacterial Culture Media Powder
- 2 Bacterial Culture Agar Plates
- 2 Bacterial Culture Agar Heat and Pour™ Format
- 3 Bacterial Culture Media Broth Bottles and Flasks
- 3 Bacterial Preservation
- 4 Antibiotics and Chromogenic Supplements
- 4 Dehydrated Buffers
- 5 PlasmidGRO™ Growth Medium
- 6 Yeast Culture Products
- 7 Electrophoresis Gels and Buffers
- 7 Phosphate Buffered Saline (PBS)
- 8 Molecular Grade Water
- 9 Competent Cells (RapidCELLS™) *E. coli*

Bacterial Culture Media Powder

Pre-weighed media in a Mylar® pouch to make 500ml of media.

CulGenex™ dehydrated culture media is offered in pre-weighed pouches to prepare 500ml of media. Media formulations are also available in a variety of bulk sizes. Each lot of CulGenex™ media is meticulously tested for optimal performance and reproducibility.

LB Agar

500ml Mylar® pouch, 6/pk	89405-568
2L Mylar® pouch, each.....	89405-560
500gm wide-mouth bottle, each	89405-562
2kg bucket, each	89405-564
10kg bucket, each	89405-566

LB Agar, Lennox

500ml Mylar® pouch, 6/pk	89501-488
2L Mylar® pouch, each.....	89406-476
500gm wide-mouth bottle, each	89406-478
2kg bucket, each	89406-480
10kg bucket, each	89406-482

LB Broth

500ml Mylar® pouch, 6/pk	89405-578
2L Mylar® pouch, each.....	89405-570
500gm wide-mouth bottle, each	89405-572
2kg bucket, each	89405-574
10kg bucket, each	89405-576

LB Broth, Lennox

500ml Mylar® pouch, 6/pk	89501-486
2L Mylar® pouch, each.....	89406-468
500gm wide-mouth bottle, each	89406-470
2kg bucket, each	89406-472
10kg bucket, each	89406-474

Super Broth

500ml Mylar® pouch, 6/pk	89405-050
--------------------------------	-----------

Terrific Broth with Glycerol

500ml Mylar® pouch, 6/pk	89406-706
2L Mylar® pouch, each.....	89406-698
500gm wide-mouth bottle, each	89406-700
2kg bucket, each	89406-702
10kg bucket, each	89406-704

Mylar® pouch



500gm wide-mouth bottle

Bacterial Growth Culture Media

CulGenex™ prepared plates are manufactured in an FDA registered, ISO 13485 certified facility and quality control tested to the highest standard.

Bacterial Growth Agar Plates

- LB Agar + Ampicillin 50µg/ml
15x100mm plate, 26ml fill, 10/pk 89407-204
- LB Agar + Ampicillin 100µg/ml
15x100mm plate, 26ml fill, 10/pk 89407-348
- LB Agar + Carbenicillin 100µg/ml
15x100mm plate, 26ml fill, 10/pk 89407-284
- LB Agar + Kanamycin 50µg/ml
15x100mm plate, 26ml fill, 10/pk 89407-210
- LB Agar, Lennox
15x100mm plate, 26ml fill, 10/pk 89407-344
- LB Agar + Tetracycline 25µg/ml
15x100mm plate, 26ml fill, 10/pk 89407-286

Bacterial Growth Agar Heat and Pour™ Format

CulGenex™ Heat and Pour, is ready-to-use, just microwave and pour. LB Agar Media formulations are recommended for the cultivation of bacteria used in molecular biology studies.

- LB Agar, Heat and Pour™
1L polycarbonate bottle, 500ml fill,
10/pk..... 89407-062



Heat and Pour™ format. Simply microwave and pour into a petri dish.



Bacterial Culture Media Broth Bottles and Flasks

CulGenex™ prepared broths are manufactured in an FDA registered, ISO 13485 certified facility and quality control tested to the highest standard. Don't waste valuable time and resources preparing your culture media; let CulGenex™ prepare it for you.

Bacterial Growth Broth Bottles

LB Broth

125ml PC bottle, 100ml fill, 6/pk 89406-858

500ml PC bottle, 500ml fill, 10/pk..... 89407-046

1L PC bottle, 1L fill, 10/pk..... 89407-050

LB Broth, Lennox

1L PC bottle, 1L fill, 10/pk..... 89407-058

Super Broth

1L PC bottle, 1L fill, each 89407-072

Bacterial Growth Broth Shaker Flasks

LB Broth

250ml polycarbonate shaker flask, 100ml fill, 12/pk..... 89406-860

Bacterial Preservation

CryoSaver™ Cryogenic Vial with 30% Glycerol

2ml cryogenic vial, 0.5ml fill, 81/pk 89407-084

250ml polycarbonate shaker flask



1L polycarbonate bottle



2ml cryogenic vial



Antibiotics and Chromogenic Supplements

CulGenex™ Antibiotic and Chromogenic Supplements are recommended for use in the selective and differential growth of recombinant strains of *Escherichia coli* used for genetic research.

- Ampicillin Solution, 50mg/ml**
1.5ml tube, 1ml fill, 6/pk 89406-886
- Carbenicillin Solution, 100mg/ml**
1.5ml tube, 1ml fill, 6/pk 89406-916
- Kanamycin Solution, 50mg/ml**
1.5ml tube, 1ml fill, 6/pk 89406-910
- IPTG Solution, 0.1M**
1.5ml tube, 1ml fill, 6/pk 89406-890
- X-GAL Solution, 40mg/ml**
1.5ml tube, 1ml fill, 6/pk 89406-888
- X-GAL Solution, 40mg/ml/IPTG, 0.1M**
1.5ml tube, 1ml fill, 6/pk 89406-900



Dehydrated Buffers

Pre-weighed powder in a Mylar® pouch to make 1L of buffer.

CulGenex™ powders are offered in convenient Mylar® pouches for ease-of-use and efficient storage. Each lot of CulGenex™ buffer is meticulously tested for performance.

Phosphate Buffered Saline (PBS) Powder

- Each pouch contains enough powder to make 1 liter.
- PBS, 1X, pH 7.3**
1L Mylar® pouch, 6/pk 89405-052
- PBS, 1X, pH 7.6**
1L Mylar® pouch, 6/pk 89405-056
- Dulbecco's (DPBS), 1X, pH 7.2**
1L Mylar® pouch, 6/pk 89405-054
- Dulbecco's (DPBS), with Ca⁺⁺ and Mg⁺⁺, 1X pH 7.4**
1L Mylar® pouch, 6/pk 89405-058

DNA Electrophoresis

Each pouch contains enough powder to make 1 liter.

- TAE (Tris Acetate EDTA) Powder 10X**
1L Mylar® pouch, 6/pk 89405-060
- TBE (Tris Borate EDTA) Powder 10X**
1L Mylar® pouch, 6/pk 89405-062



PlasmidGRO™ Growth Medium

Increase plasmid yield from your cultures

Conventional culture media can quickly be depleted of nutrients, resulting in cultures reaching a stationary phase. When this event takes place, cell replication ceases and eventually cell death and plasmid loss occur. PlasmidGRO™ growth medium contains a proprietary combination of metabolites, nutrients, and other media components that allow for sustained and uninterrupted growth. Metabolism of the primary carbon source releases a secondary carbon source as a byproduct, thereby sustaining the logarithmic growth phase of the culture and resulting in greater plasmid density.

PlasmidGRO™ Growth Medium by CulGenex™ is available as a broth in both bottle and shaker flask formats, as well as a dehydrated powder for labs looking to prepare their own media.

500ml Mylar® pouch, 6/pk89405-048
500ml PC bottle, 500ml fill, each.....89406-980





Yeast Culture Products

CulGenex™ prepared yeast growth media formulations are manufactured in an FDA registered, ISO 13485 facility to ensure the highest quality and consistency available.

Yeast Growth Plates

All plates listed below are 15x100mm plate, 26ml fill, monoplates.

Synthetic Complete (SC) Agar, 10/pk	89407-292
SC minus Ade, 10/pk.....	89407-318
SC minus Ade, His, 10/pk.....	89407-320
SC minus His, Leu, 10/pk.....	89407-298
SC minus His, Leu, Trp, 10/pk.....	89407-300
SC minus His, Leu, Trp, Ura, 10/pk.....	89407-302
SC minus Leu, 10/pk.....	89407-304
SC minus Leu, Trp, 10/pk.....	89407-306
SC minus Leu, Trp, Ura, 10/pk.....	89407-308
SC minus Trp, 10/pk.....	89407-310
SC minus Trp, Ura, 10/pk	89407-312
SC minus Ura, 10/pk.....	89407-314

Yeast Growth Powder

Yeast Peptone Dextrose (YPD) Agar	
500ml Mylar® pouch, 6/pk	89405-042
Yeast Peptone Dextrose (YPD) Broth	
500ml Mylar® pouch, 6/pk	89405-044

Electrophoresis Gels and Buffers

VWR offers a complete selection of CulGenex™ brand electrophoresis buffers for a variety of applications. Several grades of powder are offered for the preparation of agarose gels; or save time and labor by using CulGenex™ pre-mixed gels. These gels contain agarose, pre-dissolved, in your choice of TAE or TBE buffer, with ethidium bromide already added. Just heat and pour!

DNA Electrophoresis

Twist Top Container Format, Powder

Agarose, LE Molecular Grade

250ml polypropylene wide mouth jar, 100gm fill, each..... 89406-784
 500ml HDPE jar, 500gm fill, each..... 89406-786

Agarose, PCR Grade

250ml polypropylene wide mouth jar, 25gm fill, each..... 89406-788
 250ml polypropylene wide mouth jar, 125gm fill, each..... 89406-790

Agarose, Low Melt

250ml polypropylene wide mouth jar, 25gm fill, each..... 89406-792
 250ml polypropylene wide mouth jar, 125gm fill, each..... 89406-794

Ready-to-Use
 Just Heat and Pour™!

Includes Ethidium Bromide

Running Buffer

TAE (Tris Acetate EDTA), Powder 10X

1L Mylar® pouch, 6/pk.....89405-060

TBE (Tris Borate EDTA), Powder 10X

1L Mylar® pouch, 6/pk.....89405-062



Phosphate Buffered Saline (PBS)

VWR offers a large selection of CulGenex™ brand phosphate buffered saline products to meet your needs! Available in a range of pH values and a variety of sizes, at both 1X and 10X concentrations. All 1X PBS solutions are endotoxin, nuclease, and protease free. Also available in powdered form: just add water and sterilize!



Phosphate Buffered Saline, Powder

1X, pH 7.3, 1L Mylar® pouch, 6/pk..... 89405-052

1X, pH 7.6, 1L Mylar® pouch, 6/pk..... 89405-056

Dulbecco's (DPBS), 1X, pH 7.2 Powder

1L Mylar® pouch, 6/pk..... 89405-054

Dulbecco's (DPBS), with Ca⁺⁺ and Mg⁺⁺, 1X pH 7.4 Powder

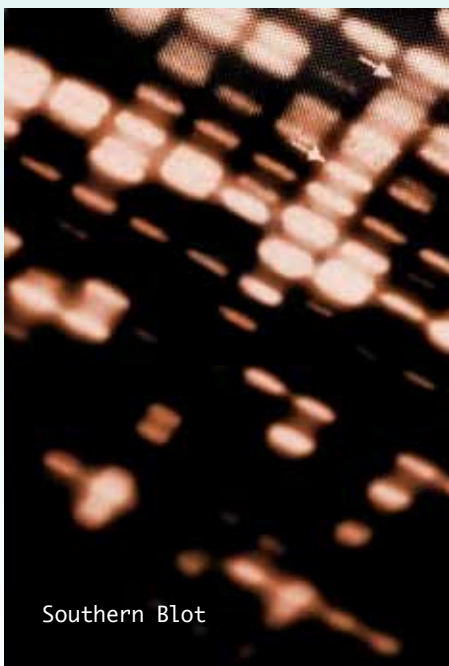
1L Mylar® pouch, 6/pk..... 89405-058

Molecular Grade Water

Water quality is important for molecular biology applications! CulGenex™ molecular grade water is highly purified, sterile, and endotoxin, nuclease, and protease free. CulGenex™ also offers DEPC treated water for further assurance of an RNase free solution. Both grades of water are available in a variety of sizes to suit your needs.

DEPC Treated, Ultra Pure

125ml PC bottle, 100ml fill, 6/pk 89407-022



Southern Blot

RAPIDCELLS™ *E. coli* Competent Cells

DNA Transformation in 20 Seconds... without Heat Shock!

RapidCELLS™ are premade, chemically competent strains of *E. coli* made for simple and highly efficient DNA transformation. RapidCELLS™ *E. coli* competent cells are made chemically competent by a method that completely eliminates the need for heat shocking and related procedures. For transformation, simply mix DNA with cells and then spread onto a solid medium. The premade RapidCELLS™ are highly efficient (10^8 - 10^9 transformants/ μ g of plasmid DNA) and can be used for cloning, sub-cloning, PCR fragment cloning, library construction, etc. RapidCELLS™ competent cells are supplied as a pack of 5 or 20 convenient 100 μ l/tube single use aliquots.



Strain	Genotype	Description	Cat. no.	Size
RapidBL21 (DE3)	<i>F ompT hsdS_g(r_s m_g) gal dcm ΔaraB:AR, cat (Cm^r), λ(DE3)</i>	BL21 with chromosomally inserted, arabinose-inducible λ lysozyme gene; with prophage carrying a T7 polymerase cassette (1 ml 500X L-Arabinose included).	89407-852	5x100 μ l aliquots (5 tubes)
			89407-846	20x100 μ l aliquots (20 tubes)
RapidS-a	<i>F ϕ80lacZAM15 Δ(lacZYA-argF)U169 deoR nupG recA1 endA1 hsdR17 (r_s m_g) phoA glnV44 (supE44) thi-1 gyrA96 relA1, λ-</i>	General cloning, blue-white selection, plasmid isolation (slow growth, some plasmids not stable).	89407-848	5x100 μ l aliquots (5 tubes)
			89407-850	20x100 μ l aliquots (20 tubes)

CultGenes™



Molecular Biology

Manufactured by



VWR 
We Enable Science

1.800.932.5000
vwr.com



Prices and product details are current when published; subject to change without notice. | Certain products may be limited by federal, state, provincial, or local regulations. | VWR makes no claims or warranties concerning sustainable/green products. Any claims concerning sustainable/green products are the sole claims of the manufacturer and not those of VWR International, LLC. All prices are in US dollars unless otherwise noted. Offers valid in US, void where prohibited by law or company policy, while supplies last. | VWR, the VWR logo and variations on the foregoing are registered (®) or unregistered trademarks and service marks, of VWR International, LLC and its related companies. All other marks referenced are registered by their respective owner(s). | Visit vwr.com to view our privacy policy, trademark owners and additional disclaimers. ©2014 VWR International, LLC. All rights reserved.