Agarose medium EEO powder Protein Electrophoresis grade

Used in serum protein electrophoresis and immunoelectrophoresis. 32

Catalogue No	Quantity
BPE161-100	100g

Product specification

Gelation temperature	34.5° to 37.5°C
Gel strength	>1,000g/cm^2
Sulfate content	<0.15%
EEO (-Mr)	0.16 to 0.19
Moisture content	<10%
DNase	Not detected
RNase	Not detected

Agarose, intermediate melting, for <1kb DNA PCR grade

Separation of low MW DNA <1,000bp. PCR* analysis applications. NEW 32

Catalogue No	Quantity
BPE2410-100	100g

Product specification

Melting temperature	<80°C
Gelation temperature	≤35.5°C
Gel strength (3%)	≥1,200g/cm^2
Sulfate content	≤0.11%
EEO (-Mr)	≤0.12
DNase	Not detected
RNase	Not detected

Agarose tablets Molecular Biology grade

Separation of DNA with a molecular weight greater than 1,000bp. NEW 32

Catalogue No	Quantity
BPE9741-1	50g

Product specification

Gelation temperature	36°C to 39°C
Gel strength, 1.5%	>1,200g/cm^2
EEO (-Mr)	≤0.1
Sulfate content	≤0.15%
RNase	Not detected
DNase	Not detected
Tablet weight	485mg to 515mg

Each tablet weighs 500mg. Add required number of tablets to standard buffer, mix and heat until completely dissolved. Each ampoule makes 1L of solution.

***L*-Alanine**
CAS 56-41-7

First aid	Std.
Spillage	F
Disposal	1

***L*-Alanine** white crystals or crystalline powder, (L-α Amino propionic acid)

Suitable for use in tissue culture systems requiring additives 32

Catalogue No	Quantity
BPE369-100	100g

$C_3H_7NO_2$ M.W. 89.09

Product specification

Assay	98.5% to 101.0%
Ammonium	≤0.02%
Arsenic	≤1ppm
Heavy metals	≤10ppm
Loss on drying at 105°C	≤0.20%
Other amino acids	Chromatographically not detectable
Residue on ignition (sulfated)	≤0.10%
State of solution	≥98.0% transmittance
Specific Rotation (c=10, 6N HCl) [α] $^{20}_{D}$	+14.3° to +15.2°

Alkaline phosphatase CIAP

First aid	Std.
Spillage	G, K
Storage	Dry at -20°C

Alkaline phosphatase, calf intestinal (CIAP), source: calf intestinal mucosa

Removing phosphate groups from 5′ termini of DNA NEW 32

Calf intestinal alkaline phosphatase is used in preventing religation of linearised cloning vehicle DNA by removing phosphate groups from both 5′ termini. Removing 5′ phosphate groups prior to end-labelling with T4 Polynucleotide Kinase and as reporter enzyme for chemiluminescent and other detection systems upon activation.

Description: Alkaline phosphatase catalyses the hydrolysis of 5′-phosphate groups from DNA, RNA, and ribo- and deoxyribonucleoside triphosphates

Catalogue No	Quantity
BPE3217-1	1,000 units

Concentration: 1unit/µL
Storage buffer components: 10mM Tris-HCl (pH8.0), 1mM $MgCl_2$, 0.1mM $ZnCl_2$, 50mM KCl, and 50% (v/v) glycerol.
Provided with 10X reaction buffer: 0.5M Tris-HCl (pH9.3), 10mM $MgCl_2$, 1mM $ZnCl_2$, and 10mM spermidine.
One unit is defined as the amount of enzyme required to catalyse the hydrolysis of 1µmol of 4-nitrophenyl phosphate per minute at 37°C in 1M diethanolamine, 10.9mM para-nitrophenyl phosphate. 0.50mM $MgCl_2$ (pH9.8)

Product specification
Tested for: Activity, dsDNase, RNase, endonuclease/nickase, and in blue/white assay