

Inspired by knowledge



CLONING AND EXPRESSION OF RECOMBINANT PROTEINS



Cloning and expression of recombinant proteins.





Colony selection and expansion

Select colonies that have grown in the presence of antibiotics and transfer to a selective broth for maintenance

Luria Broth (Miller's LB Broth) | CAT. 1551 Add antibiotics to maintain the specificity

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Colony Screening

Digestion with plasmid DNA restriction enzymes and agarose

YPD Broth | CAT. 1547 - Luria Broth (Miller's LB Broth) | CAT. 1551 The same maintenance broths can be used as a means for the expression, by adding specific inductors

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Product list

Culture media.

CAT.	PRODUCT	PACK SIZE	FEATURES AND APPLICATIONS
2019	SOC Medium	500 g	Cell recovery media including essential electrolytes as P and Na
1541	SOB Medium	500 g	Cell recovery media including essential electrolytes as P, Na and Glucose
1551	Luria Broth (Miller's LB Broth)	500 g	Growth and maintenance of bacteria strains used in molecular microbiology procedures
1552	Luria Agar (Miller's LB Agar)	500 g	Growth and maintenance of bacteria strains used in molecular microbiology procedures
1546	YPD Agar	500 g	Growth and maintenance of yeast used in molecular microbiology procedures
1547	YPD Broth	500 g	Growth and maintenance of yeast used in molecular microbiology procedures
2111	Terrific Broth Base Autoinducible with Trace Element	500 g	Autoinduction Media for an optimun expression of recombinant proteins in low cell density
2095	AIM -Super Growth w/o Trace Element	500 g	Autoinduction Media for an optimun expression of recombinant proteins in high cell density
1432	sLB Agar	500 g	Developed to increase significally cellular density, improved performance
1163	sLB Broth	500 g	Developed to increase significally cellular density, improved performance
1083	LB Agar (Lennox)	500 g	Growth and maintenance of bacteria strains used in molecular microbiology procedures
1231	LB Broth (Lennox)	500 g	Growth and maintenance of bacteria strains used in molecular microbiology procedures

Culture media with antibiotics.

CAT.	PRODUCT	PACK SIZE	FEATURES AND APPLICATIONS
2085	Luria Agar with Ampicillin 100 µg/ml (Miller´s LB Agar)	500 g	Culture media for transformed bacteria selection
2086	Luria Agar with Ampicillin 50 µg/ml (Miller´s LB Agar)	500 g	Culture media for transformed bacteria selection
2090	LB Agar with Kanamycin 50 µg/ml (Lennox)	500 g	Culture media for transformed bacteria selection
2091	Luria Agar with Kanamycin 50 µg/ml (Miller's LB Agar)	500 g	Culture media for transformed bacteria selection
2092	Luria Agar with Chloramphenicol 34 µg/ml (Miller´s LB Agar)	500 g	Culture media for transformed bacteria selection



Selection antibiotics.

CAT.	PRODUCT	PACK SIZE	CAT.	PRODUCT	PACK S
6800	Ampicillin (Sodium Salt)	5 g	6806	Kanamycin (Monosulphate)	5 g
6801	Ampicillin (Sodium Salt)	25 g	6807	Kanamycin (Monosulphate)	25 g
6803	Carbenicillin Disodium	5 g	6808	Neomycin (Sulphate)	25 g
6804	Chloramphenicol	25 g	6809	Rifampicin	1 g
6805	Gentamicin	5 g	6810	Tetracycline (Hydrochloride)	25 g

Agarose.

CAT.	PRODUCT	PACK SIZE	FEATURES AND APPLICATIONS
8010	Agarose D1 Low EEO	50, 100, 250 and 500 g	Low Electroendosmosis
8019	Agarose D1 Medium EEO	50, 100, 250 and 500 g	Medium Electroendosmosis
8024	Agarose D1 High EEO	50, 100, 250 and 500 g	High Electroendosmosis
8100	Agarose E	50, 100, 250 and 500 g	Routine Agarose
8092	Agarose LM Sieve	50, 100, 250 and 500 g	High Resolution, Low Melting Point with higher transparency
8050	Agarose LM	50, 100, 250 and 500 g	General, Low Melting Point, in-gel applications
8065	Agarose MS - 8	50, 100, 250 and 500 g	Molecular Screening - DNA Resolution < 1000 bp
8075	Agarose MS-4	50, 100, 250 and 500 g	Molecular Screening - DNA Resolution < 500 bp
8067	Agarose MS - 12	50, 100, 250 and 500 g	Molecular Screening - DNA Resolution < 1500 bp
8001	Agarose MS - 6 Metagel	50, 100, 250 and 500 g	Molecular Screening - DNA Resolution < 800 bp

Agarose reagents.

CAT.	PRODUCT	PACK SIZE
140CK130	PronaSafe Stain	1 ml
4687	CondaSafe Stain	1 ml







