



Your distributor in Switzerland

LubioScience GmbH Baumackerstrasse 24 8050 Zürich +41 (0)41 417 02 80

info@lubio.ch www.lubio.ch

Competent cells selection guide

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Routine cloning and library construction	8	17	7	9	Cible Plas Villables Na	. 0	·Ø	-80	Chenically Confidence of the C	<i>ν</i>
E. cloni® 10G (Classic)	✓	√	√	✓	✓	Ø	Ø	Str	≥5 × 10 ⁹	10 ⁶ –10 ⁹
E. cloni 10G (Elite)	✓	✓	✓	✓	✓	Ø	Ø	Str	≥2 × 10 ¹⁰	_
E. cloni 10G (Supreme)	✓	✓	✓	✓	✓	Ø	Ø	Str	≥4 × 10 ¹⁰	_
E. cloni 10G F' (Elite)	✓	✓	✓	✓	✓	Ø	✓	Str	≥2 × 10 ¹⁰	_
E. cloni 5-alpha	✓	✓	✓	Ø	Ø	Ø	Ø	-	-	≥1 × 10 ⁸
Unstable inserts or toxic gene products										
Copycutter™ EPI400™	✓	✓	✓	✓	✓	✓	Ø	Str	≥1 × 10 ¹⁰	≥1 × 10 ⁷
Large inserts, plasmids, or fosmids										
TransforMax [™] EC100 [™]	✓	Ø	✓	✓	✓	Ø	Ø	Str	≥1 × 10 ¹⁰	≥5 × 10 ⁸
TransforMax EPI300™	✓	Ø	✓	✓	✓	а	Ø	Str	≥1 × 10 ¹⁰	≥5 × 10 ⁸
TransforMax EPI300™-T1R	✓	✓	✓	✓	✓	а	Ø	Str	≥1 × 10 ¹⁰	-
BAC cloning										
BAC-Optimised Replicator™ v2.0	√	Ø	✓	✓	✓	а	Ø	Amp, Str	≥1 × 10 ¹⁰	_
E. cloni BAC-Optimised 10G	✓	Ø	✓	✓	✓	Ø	Ø	Str	≥1 × 10 ¹⁰	_
BigEasy [™] -TSA	b	✓	✓	✓	✓	С	Ø	Amp, Str	≥2 × 10 ¹⁰	-
Phage display										
TG1	✓	Ø	Ø	Ø	d	Ø	✓	_	≥4 × 10 ¹⁰	_
ER2738	✓	✓	Ø	Ø	d	Ø	✓	Tet	≥2 × 10 ¹⁰	_
SS320 (MC1061 F')	√	Ø	Ø	Ø	е	Ø	✓	Tet, Str	≥4 × 10 ¹⁰	_
MC1061 F-	Ø	Ø	Ø	Ø	е	Ø	Ø	Str	≥4 × 10 ¹⁰	-
CRISPR sgRNA libraries and lentiviral plasmid cloning										
Endura™	Ø	Ø	f	Ø	g	Ø	Ø	Str	≥1 × 10 ¹⁰	≥1 × 10 ⁷
Site-directed mutagenesis										
CJ236	Ø	Ø	Ø	Ø	Ø	Ø	✓	Cam	≥1 × 10 ⁹	_

Amp, ampicillin; Cam, chloramphenicol; Str, streptomycin; Tet, tetracycline





a: Requires OriV vectors (e.g., CopyRight® and pCCFOS)

b: Requires IPTG

c: Only with pJAZZ® vectors

d: mcrB– only; not suitable for cloning eukaryotic genomic DNA

e: mcrA- mcrB-; not suitable for cloning eukaryotic genomic DNA f: RecA13 only

g: mcrB- mrr-; not suitable for cloning eukaryotic genomic DNA



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Protein expression: routine										
E. cloni EXPRESS BL21(DE3)	T7	Ø	Ø	_	≥5 × 10 ⁹	≥1 × 10 ⁷				
HI-Control™ BL21(DE3)	T7	✓	Ø	Gen	_	≥1 × 10 ⁷				
HI-Control™ 10G	P _{lac} , P _{tac} , P _{trc} , T5 _{lac} rhaP _{BAD}	√	Ø	Gen, Str	_	≥1 × 10 ⁹				
ClearColi® BL21(DE3)	T7	Ø	✓	_	≥1 × 10 ⁹	_				
Protein expression: toxic products										
OverExpress [™] C41(DE3)	T7	Ø	Ø	_	≥1 × 10 ⁹	≥1 × 10 ⁶				
OverExpress C41(DE3) pLysS	T7	✓	Ø	Cam	_	≥1 × 10 ⁶				
OverExpress C43(DE3)	T7	Ø	Ø	-	≥1 × 10 ⁹	≥1 × 10 ⁶				
OverExpress C43(DE3) pLysS	T7	✓	Ø	Cam	_	≥1 × 10 ⁶				
Cam, chloramphenicol; Gen, gentamicin; Str, streptomycin; rhaPBAD, rhamnose-inducible promoter										

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