PDMB2025009

PRO TECH

優惠期限~2025.12.31

Lucigen

勝任細胞拍賣會

Competent SALES!!

75折

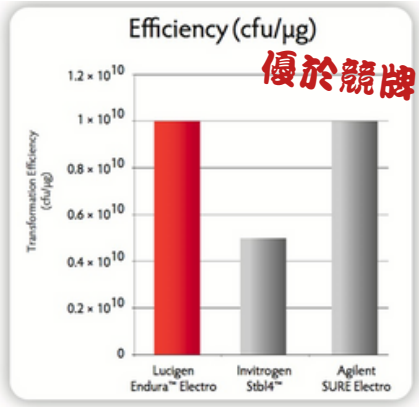
DM品項,任兩件

Endura Competent Cells

不穩定基因專用！

CRISPR Library 使用！

- 專為"重複序列"、"不穩定基因" Cloning 設計的勝任細胞
- 可直接取代 Stbl3/ Stbl4 (Invitrogen)及 SURE (Agilent) type
- 高效率: >1×10^{7}cfu/μg (化學法) or 1×10^{10}cfu/μg (電穿孔法)
- 推薦建構 lentiviral libraries of CRISPR clones
- 適合 sgRNA lentiviral library construction
- 病毒蛋白表現系統的 Lentivirus vector、siRNA gene knockdown



編號	包裝	名稱
60240-1	12 rxns (DUOs)	Endura Chemically Competent Cells
60240-2	24 rxns (DUOs)	
60241-1	12 rxns (SOLOs)	
60242-1	12 rxns (DUOs)	Endura Electrocompetent Cells
60242-2	24 rxns (DUOs)	

Figure. Transformation efficiencies of electrocompetent clone-stabilising strains.

Recommended in CRISPR GeCKO library protocol and sgRNA Library Design and Construction Protocol

CSH PROTOCOLS Cold Spring Harbor Protocols

Single Guide RNA Library Design and Construction

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★ Reference: Genome-Scale CRISPR-Cas9 Knockout Screening in Human Cells. Shalem et al. (2014). Science, Vol. 343 no. 6166 pp. 84-87.

GeCKO Genome-scale CRISPR Knock-Out | LENTIVIRAL CRISPR TOOLBOX | MIT ZhangLab

Genome-scale CRISPR Knock-Out (GeCKO) v2.0 pooled libraries

CRISPR (Clustered Regularly Interspaced Short Palindromic Repeats) is a microbial nuclease system containing a combination of CRISPR-associated (Cas) genes as well as non-coding RNA elements capable of programming the specificity of the CRISPR-mediated nucleic acid cleavage. Using lentivirus, we delivered the type II CRISPR nuclease system to facilitate genome editing in mammalian cells in a pooled library targeting early consecutive exons (Shalem*, Sanjana*, *et al.*, Science 2014). **Here we describe how to amplify GeCKO v2.0 DNA plasmids to have sufficient quantity to produce lentivirus, while maintaining full library representation.**

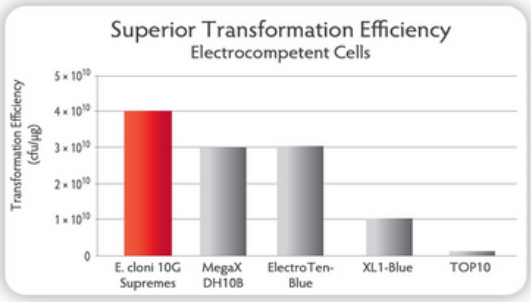
PRO TECH 波仕特生物科技

LINE

0800-231-530 | 台北 02-26557677 | 台中 04-22624883 | 新竹 03-5753468 | 竹南 037-680138 | 高雄 07-3425707 | 東部 03-8463953

Routine Cloning

- 高效能的勝任細胞，多元選擇滿足實驗需求
- 可取代常用的 DH5α、DH10B、TOP10、JM109、XL1-Blue...等

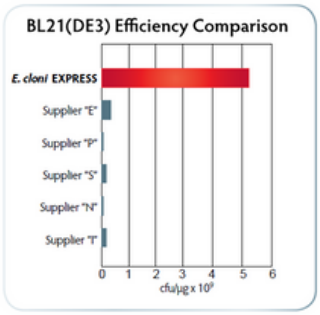


編號	包裝	Efficiency (cfu/ μg)、特色
E. cloni 10G Electrocompetent Cells		
60081-1	12 rxns (SOLOs)	SUPREME: 4x 10^{10} 最高效率，適合建立複雜 libraries，或棘手的 cloning
60080-1/ -2	12/ 24 rxns (DUOs)	
60051-1	12 rxns (SOLOs)	ELITE: 2x10^{10} CP 值最高！效率優於同級競牌，適合困難 cloning
60052-1/ -2	12/ 24 rxns (DUOs)	
60052-3/ -4	24/ 48 rxns (SixPacks)	
60117-1/ -2	24/ 48 rxns (SixPacks)	CLASSIC: 5x10^{9} 便宜高效！適合一般 library 建構，或標準的 cloning
E. cloni 10G Chemically Competent Cells		
60106-1	12 rxns (SOLOs)	1x10^{9}
60107-1/ -2	12/ 24 rxns (DUOs)	
60108-1	48 rxns	Subcloning Grade: 1x10^{6}

Protein Expression

蛋白表現，一步到位！

- 專為蛋白表現設計，超高轉殖效能勝任細胞
- 不需經過 DH5α initial cloning，縮短實驗時間！
- 直接取代常用的 BL21
- 轉殖效率：≥1×10^{7} cfu/μg (化學法)；≥5×10^{9} cfu/μg (電穿孔)

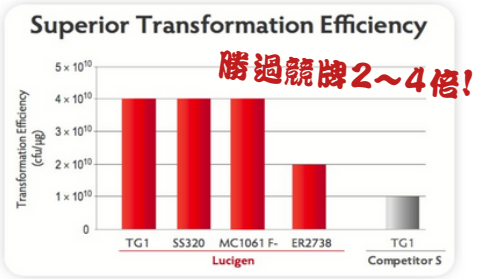


編號	包裝	名稱
60300-1/-2	12 rxns/ 24 rxns	E. cloni EXPRESS BL21(DE3) Electrocomp Cells (DUOs)
60401-1/-2	12 rxns/ 24 rxns	E. cloni EXPRESS BL21(DE3) Chem Comp Cells (DUOs)

Phage Display

- 專為 "噬菌體表達系統" 設計的勝任細胞
- 市面上最高轉殖效率，以製作更大的資料庫
- 不同 strain 滿足不同實驗需求

WHY Lucigen?
製備高品質 phage library，需要高效率的勝任細胞！效率越高，多樣性越高，篩選成功機率也越大！



編號	包裝	名稱
60502-1/-2	12rxns/ 24 rxns	TG1 (Electro)
60512-1/-2	12rxns/ 24 rxns	SS320 (Electro)
60514-1/-2	12rxns/ 24 rxns	MC1061 F- (Electro)
60522-1/-2	12rxns/ 24 rxns	ER2738 (Electro)

Cell lines	Efficiency (cfu/ μg pUC DNA)	Cloning Methylated DNA	Blue/White Screening	Amber Suppressor	F' Plasmid
TG1	≥4 × 10^{10}	V	V	V	V
SS320 (MC1061 F')	≥4 × 10^{10}	V	V		V
MC1061 F-	≥4 × 10^{10}	V	V		
ER2738	≥2 × 10^{10}	V	V	V	V

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