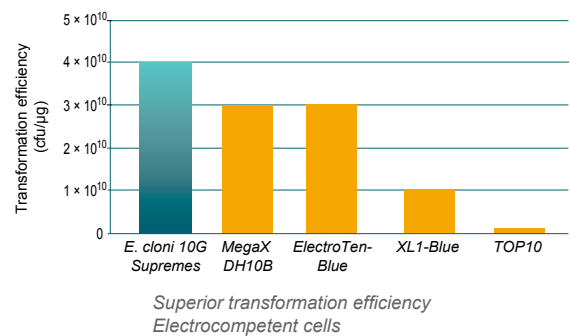


E. cloni Competent Cells

High transformation efficiency for routine and demanding cloning

- Obtain high plasmid yields with optimised genetics: phage T1 resistant, endonuclease and recombination minus, blue/white screening-capable
 - Increase colony yields after Gibson cloning with E. cloni® 10G Chemically Competent Cells, endorsed by SGI-DNA for Gibson Assembly® reactions*
 - Choose a range of high transformation efficiencies (1×10^6 to 4×10^{10} cfu/ μ g)
 - Replace standard cloning strains (e.g., OP10, DH5 α ™, DH10B™, XL1-Blue, etc.)
- * Read the app note! bit.ly/lucigensqi



Genotypes:

E. cloni 10G: F - mcrA Δ (mrr-hsdRMS-mcrBC) endA1 recA1 Φ 80dlacZ Δ M15 Δ lacX74 araD139 Δ (ara, leu)7697 galU galK rpsL nupG λ - tonA

E. cloni 10GF: [F' pro A+B+ lacIqZ Δ M15::Tn10 (Tet^r)] /mcrA Δ (mrr-hsdRMS-mcrBC) endA1 recA1 Φ 80dlacZ Δ M15 Δ lacX74 araD139 Δ (ara, leu)7697 galU galK rpsL nupG λ tonA

E. cloni 10G BAC-Optimized: F - mcrA Δ (mrr-hsdRMS-mcrBC) endA1 recA1 Φ 80dlacZ Δ M15 Δ lacX74 araD139 Δ (ara, leu)7697 galU galK rpsL nupG λ - tonA (StrR)

E. cloni 5-alpha: fhuA2 Δ (argF-lacZ)U169 phoA glnV44 Φ 80 Δ (lacZ)M15 gyrA96 recA1 relA1 endA1 thi-1 hsdR17



Customise your competent cells for your application with bulk quantities or custom dispense volumes in plates or tubes, using our strains or yours.



Visit lucigen.com/customcells to get started.

Ordering information

Cat. no.	Size	Description
Electrocompetent cells		
60081-1	12 rxns (SOLOs)	E. cloni 10G SUPREME ($\geq 4 \times 10^{10}$ cfu/ μ g)
60081-2	24 rxns (SOLOs)	
60080-1	12 rxns (DUOs)	
60080-2	24 rxns (DUOs)	
60051-1	12 rxns (SOLOs)	E. cloni 10G ELITE ($\geq 2 \times 10^{10}$ cfu/ μ g)
60051-2	24 rxns (SOLOs)	
60052-1	12 rxns (DUOs)	
60052-2	24 rxns (DUOs)	
60052-3	24 rxns (SixPacks)	
60052-4	48 rxns (SixPacks)	
60117-1	24 rxns (SixPacks)	E. cloni 10G CLASSIC ($\geq 5 \times 10^9$ cfu/ μ g)
60117-2	48 rxns (SixPacks)	
60061-1	12 rxns (DUOs)	E. cloni 10GF' ($\geq 2 \times 10^{10}$ cfu/ μ g)
60061-2	24 rxns (DUOs)	
60215-2	25 rxns (FIVERS)	E. cloni 10G BAC-Optimised ($\geq 1 \times 10^{10}$ cfu/ μ g)
Chemically competent cells		
60106-1	12 rxns (SOLOs)	E. cloni 10G ($\geq 1 \times 10^9$ cfu/ μ g)
60106-2	24 rxns (SOLOs)	
60106-3	48 rxns (SOLOs)	
60107-1	12 rxns (DUOs)	
60107-2	24 rxns (DUOs)	
60107-3	48 rxns (DUOs)	
60107-4	96 rxns (DUOs)	
60108-1	48 rxns (12 rxn/tube)	E. cloni 10G (subcloning grade) ($\geq 1 \times 10^8$ cfu/ μ g)
60108-2	96 rxns (12 rxn/tube)	
60602-1	12 rxns (DUOs)	E. cloni 5-alpha ($\geq 1 \times 10^8$ cfu/ μ g)
60602-2	24 rxns (DUOs)	

Components: Competent Cells include Control DNA and Recovery Medium, and are packaged as SOLOs (1 transformation per tube), DUOs (2 transformations per tube), FIVERS (5 transformations per tube), SixPacks (6 transformations per tube), or Subcloning Grade (12 transformations per tube). Recovery Medium is also available separately.

Integrated tools. Accelerated science.

 @LGCBiosearch | lucigen.com

All trademarks and registered trademarks mentioned herein are the property of their respective owners. All other trademarks and registered trademarks are the property of LGC and its subsidiaries. Specifications, terms and pricing are subject to change. Not all products are available in all countries. Please consult your local sales representative for details. No part of this publication may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording or any retrieval system, without the written permission of the copyright holder. © LGC Limited, 2018. All rights reserved. GEN/0528/SW/1118 DS-181130.01



For research or investigational use only.

BIOSEARCH™ TECHNOLOGIES

GENOMIC ANALYSIS BY LGC