

Competent Cells for larger phage display libraries

Choose the highest efficiency electrocompetent cells available!

Superior transformation efficiency

- Generate larger libraries with greater diversity to speed discovery
- Select from amber suppressor and non-amber suppressor strains
- Customise your cells to suit your project with bulk or custom dispensing



Cell lines	Transformation efficiency (cfu/μg pUC DNA)	Cloning methylated DNA	Blue/white screening*	Amber suppressor strain	F' plasmid
TG1	≥ 4 × 10 ¹⁰	✓	✓	✓	✓
SS320 (MC1061 F')	≥ 4 × 10 ¹⁰	✓	✓		✓
ER2738	≥ 2 × 10 ¹⁰	✓	✓	✓	✓
MC1061 F-	≥ 4 × 10 ¹⁰	✓	✓		

Table 1. Competent cells for phage Display Libraries * IPTG induction required

Ordering information

Cat no.	Size	Description
60502-1	12 rxns	TG1 Electrocompetent Cells
60502-2	24 rxns	
60512-1	12 rxns	SS320 (MC1061 F') Electrocompetent Cells
60512-2	24 rxns	
60514-1	12 rxns	MC1061 F- Electrocompetent Cells
60514-2	24 rxns	
60522-1	12 rxns	ER2738 Electrocompetent Cells
60522-2	24 rxns	

Competent Cells specification

Genotypes	TG1: [F' traD36 proAB lacIqZ ΔM15] supE thi-1 Δ(lac-proAB) Δ(mcrB-hsdSM)5(rK - mK -) SS320 (MC1061F') : F'[proAB lacIqZ ΔM15 Tn10 (TetR)] araD139 Δ(ara-leu)7696 galE15 galK16 Δ(lac)X74 rpsL (StrR) hsdR2 (rK- mK+) mcrA mcrB1 MC1061 F-: F-, araD139 Δ(ara-leu)7696 galE15 galK16 Δ(lac)X74 rpsL (StrR) hsdR2 (rK- mK+) mcrA mcrB1 ER2738: [F'proA+B+ lacIq Δ(lacZ)M15 zzf::Tn10 (TetR)] fhuA2 glnVΔ(lac-proAB) thi-1Δ(hsdS-mcrB)5
Components	Competent Cells include Control DNA and Recovery Medium, and are packaged as DUOs (2 transformations per tube). Recovery Medium is also available separately. The specified transformation efficiencies are with pUC DNA, unless indicated otherwise.



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.

Request a free sample today!

Visit lucigen.com/samples

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, 2019. All rights reserved. GEN/0561/SW/0219

For Research Use Only. Not for use in diagnostic procedures.



**LUBIO
SCIENCE**

Your distributor in Switzerland

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

info@lubio.ch
www.lubio.ch

BIOSEARCHTM
TECHNOLOGIES

GENOMIC ANALYSIS BY LGC