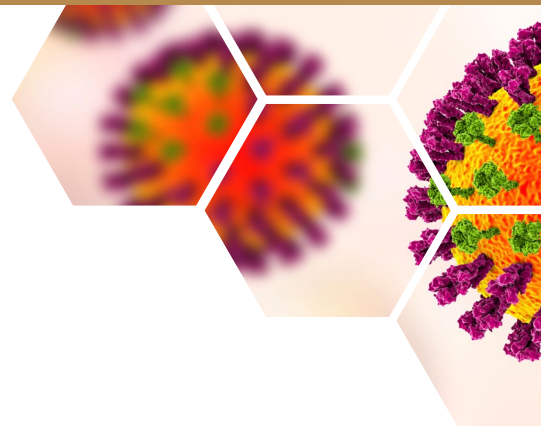




Lucigen
Reagent Components



High Yield Comp Cell

FAQs

Can I grow the Endura High-Yield Electrocompetent Cells without the 40X Plasmid Enhancer?

Yes, however plasmid yields will be significantly lower than in regular strains.

Can Endura High-Yield Electrocompetent Cells be grown in animal free media?

Yes, but the cells still require addition of the 40X Plasmid Enhancer.

Are Endura High-Yield Electrocompetent Cells classified as genetically modified organisms (GMO)?

Depending on the definition of GMO, yes, they are GMO as they were constructed by methods outside of *E. coli* conjugations or viral transductions. However, they do not contain DNA from organisms other than *E. coli*.

Can Endura High-Yield Electrocompetent Cells be used to make libraries or used for regular cloning applications?

Yes, but these are not recommended applications of the Endura High-Yield Electrocompetent Cells and there are better options available, including LGC Biosearch Technologie's Endura and E. cloni 10G competent cells.

Can Endura High-Yield Electrocompetent Cells be used in blue/white screening?

No, Endura High-Yield Electrocompetent cells do not have the correct lac operon construction to be used in blue/white screening.



**Diagnostics
& Genomics**

Do Endura High-Yield Electrocompetent Cells contain an F'?

No, Endura High-Yield Electrocompetent Cells do not contain either an F' or a mini F'.

Can Endura High-Yield Electrocompetent Cells be grown in minimal media?

Yes, however, in addition to the induction solution Endura High-Yield Electrocompetent Cells require supplementation with 1 mM proline/leucine and 1 µg/ml thiamine and will have lower plasmid yields than identical cells grown in rich media.

Will you observe higher cell densities with the Endura High-Yield Electrocompetent Cells?

No, but higher copy number and higher plasmid yield will be observed in the presence of the 40X Plasmid Enhancer.

Technical Support

LGC Lucigen is dedicated to the success and satisfaction of our customers. Our products are tested to assure they perform as specified when used according to our recommendations. It is imperative that the reagents supplied by the user, especially the DNA targets to be cloned, are of the highest quality. Please follow the manual carefully and contact our technical service representatives if additional information is necessary. We encourage you to contact us with your comments regarding the performance of our products in your applications. Thank you.

LGC Technical Support email: techsupport@lgcgroup.com

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