



70837 Origami™ B(DE3) Competent Cells

Novagen®

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| Product number | Qty/Pk | Price | Delivery Date |
|----------------|--------|--|---------------|
| | | Please login to see your account specific pricing. | |
| 70837-3 | 0.4 ml | USD 105.00 | |
| 70837-4 | 1 ml | USD 195.00 | |

Prices are subject to change without notice.

Origami™ B host strains carry the same mutations in *trxB* and *gor* as the original Origami strains, except that they are derived from a *lacZY* mutant of BL21 to enable precise control of expression levels by adjusting the concentration of IPTG. Thus the Origami B strains combine the desirable characteristics of BL21, Tuner™, and Origami strains in one strain background. The mutations in *trxB* and *gor* are selectable on kanamycin and tetracycline, respectively; therefore, these strains cannot be used with plasmids that can only be selected with kanamycin or tetracycline. These strains also include the *lon* and *ompT* deficiencies of BL21, which increase protein stability.

DE3 indicates that the host is a lysogen of λ DE3, and therefore carries a chromosomal copy of the T7 RNA polymerase gene under control of the *lacUV5* promoter. Such strains are suitable for production of protein from target genes cloned in pET vectors by induction with IPTG. Genotype: $F^- ompT hsdS_B(r_B^- m_B^-) gal dcm lacY1 ahpC (DE3) gor522:: Tn10 trxB (Kan^R, Tet^R)$

Related products

| | |
|-------|--|
| 70836 | Origami™ B Competent Cells |
| 70839 | Origami™ B(DE3)pLysS Competent Cells |
| 70911 | Origami™ B Competent Cell Set |

Product information

| | | | | |
|-----------------------|---|------------|------------|--------------------------------|
| Components | | 0.4 ml | 1 ml | Component |
| | • | 2 × 0.2 ml | 5 × 0.2 ml | Origami B(DE3) Competent Cells |
| | • | 2 × 2 ml | 4 × 2 ml | SOC Medium |
| | • | 2 ng | 2 ng | Test Plasmid |
| Guaranteed efficiency | Guaranteed efficiency: > 2 × 10 ⁶ cfu/μg | | | |

Store and ship information

| | |
|--------------------|---|
| Storage | ≤ -70°C |
| Ship | Dry Ice Only Multiple Toxicity Values, refer to MSDS |
| Licence Brookhaven | This product is covered under license from Brookhaven National Labs. Commercial entities need to obtain a research use license prior to purchase. Please contact your licensing department to confirm that your company already holds a research use license. |

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