



AVIDITY, L.L.C.

**Catalog # EVB100 – Electrocompetent Cells of Efficient Biotinylation *E. coli* K12 Strain AVB100**

500 µl, supplied in 10 aliquots of 50 µl each. Store at -80°C.

**About the Strain AVB100**

AVB100 is an *E. coli* K12 strain [MC1061 *araD139*  $\Delta$ (*ara-leu*)7696  $\Delta$ (*lac*)174 *galU galK hsdR2*(r<sub>K</sub>- m<sub>K+</sub>) *mcrB1 rpsL*(Str<sup>r</sup>)] with a *birA* gene stably integrated into the chromosome.

The stably integrated *birA* gene does not require antibiotics to be maintained, and use of AVB100 with IPTG inducible vectors (e.g., pAC or pAN=AviTag vectors) allows independent control over the expressed gene of interest and the BirA levels. BirA levels can be increased either prior to induction of the vector-expressed protein or post induction by the addition of 0.2 – 0.4% L-arabinose. Culture media should be brought to 50 µM with d-biotin prior to induction of BirA with L-arabinose.

Follow procedures outlined by the manufacturer of electroporating device. Use only for induction. This strain is not intended for use as a cloning strain.

Use of this strain is limited to site of purchase. Please review the license included before using this product. If you have any questions, please don't hesitate to call Avidity.

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\*\*\*\*\* IMPORTANT! – READ CAREFULLY BEFORE USING \*\*\*\*\*

**Limited-Site License for Strain AVB100**

By purchasing strain AVB100 or derivatives, I agree that use of this strain is limited to the single site of purchase and further agree not to sell, assign or transfer this product to any third party without the express written consent of Avidity, L.L.C.

If you do not agree with the terms of this agreement, promptly return the unused strain to Avidity, L.L.C. for a refund.

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