



AVIDITY, L.L.C.

Catalog # AVB100 – Efficient Biotinylation *E. coli* K12 Strain AVB100

Supplied as a 0.5 ml liquid culture in 30% glycerol. Store at -80°C.

About the Strain AVB100

AVB100 is an *E. coli* K12 strain [MC1061 *araD139* Δ (*ara-leu*)7696 Δ (*lac*)174 *galU galK hsdR2*(r_K- m_{K+}) *mcrB1 rpsL*(Str^r)] 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 μ M with d-biotin prior to induction of BirA with L-arabinose.

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.

Website: www.avidity.com

Toll free: (877) 333-6063

Tel: (720) 859-6111

Fax: (720) 859-6123

e-mail: info@avidity.com

***** 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.
