Biotinylation of plasmids

µMACS Streptavidin Kit Order No. 130-074-101

Biotinylation of plasmids

100 µl µMACS Streptavidin MicroBeads bind up to 5 µg of a plasmid vector which is photobiotinylated as follows:

1. Denature 10 µg vector (in TE Buffer pH 8.0) for 5 minutes at 99°C, then place on ice.
2. Add Psoralen-PEO-Biotin (in H20; Pierce) to a final concentration of 200 µM; the total volume should be 15-20 µl.
3. Incubate for 30 minutes on ice under UV light (350/366 nm; 40 W) in a distance of 8-10 cm in an open tube.
4. Precipitate DNA with 1/10 vol. of NaAc pH 5.2 and 2-3 vol. EtOH to remove free Biotin.
5. Wash with 70 % EtOH.
6. Resuspend DNA pellet in TE Buffer; store at -20°C.

SP0002.03

Miltenyi Biotec
www.miltenyibiotec.com

Friedrich-Ebert-Str. 68
51429 Bergisch Gladbach, Germany
Phone +49-2204-8306-0 Fax +49-2204-85197

12740 Earhart Avenue, Auburn CA 95602, USA
Phone 800 FOR MACS, 530 888-8871
Fax 530 888-8925