



CERTIFICATE OF ANALYSIS

Product **BIOTINYLATED PROTEIN MOLECULAR WEIGHT MARKERS**

Catalog No. SP-1400

Amount 250 μ l

Lot No. ZD0720

Solution 10 mM HEPES, 0.15 M NaCl, 0.1% SDS, 2.5% mercaptoethanol,
30% glycerol, 0.08% sodium azide, pH 7.5

Storage Store at -20 °C

Remarks

1. Thaw the markers and warm to 37 °C. When using mini-gels, mix 5 μ l of the marker solution with sample treatment buffer (4% SDS, 20% glycerol, 125 mM Tris-HCl, pH 6.8, 10% mercaptoethanol 0.005% bromophenol blue). Heat the markers at 95 °C for 5 minutes. Apply the entire sample to a dedicated lane in the polyacrylamide gel and run in parallel with the samples to be examined.¹
2. The biotinylated protein markers will be transferred to nitrocellulose during Western blotting.² After the antibody probing procedure is completed, the markers will be visualized along with the probed bands by using the VECTASTAIN[®] ABC, VECTASTAIN[®] ELITE ABC, or VECTASTAIN[®] ABC-AP detection systems. A 5 μ l load will give good signal after 2 1/2 min. when used with ABC-AP (AK-5000) and BCIP-NBT (SK-5400).

References:

¹ Laemmli, U.-K., Nature 227, 680 (1970).

² Towbin, H.H., T. Staehelin, and J. Gordon, PNAS, USA 76, 4330 (1979)