Stock Solution

TD-S Revision 2.0

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1mM NADH Solution – 100 ml

Instructions

1. Weigh 70.9 mg NADH (NADH (β-Nicotinamide Adenine Dinucleotide Reduced Sodium Salt) GoldBio Cat# N-035 [CAS 606-68-8, mw. = 709.40 g/mol]) and add to flask.

2. Fill flask to 100 ml with 0.1M Tris buffer, pH 8.0 (Tris (Tris Base) GoldBio Cat# T-400 [CAS 77-86-1, mw. = 121.14]).

3. Mix thoroughly.

Note: The final concentration of NADH solution made from this protocol will be 1mM and the concentration of buffer will be 0.1M. Concentration of NADH, pH, and buffer choice can all be adjusted for individual experiments but see below to help prevent degradation.

WARNING: Solutions should be prepared fresh and used immediately unless great care is taken to prevent degradation of NADH and formation of enzyme inhibitors. For optimal NADH stability, solutions should be made basic, in a buffer that does not contain phosphate, away from the light, at 4°C or lower and at a concentration of 5mM or less.

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