

Stock Solution

TD-S Revision 2.0



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25mM NAD Stock Solution

Instructions

1. Weigh 16.59 mg NAD ([NAD \(\$\beta\$ -Nicotinamide Adenine Dinucleotide\) GoldBio Catalog # N-030](#) [CAS 53-84-9, mw. = 663.42 g/mol]) and add to a 1.5 ml centrifuge tube.
2. Add 1 ml dH₂O.
3. Mix thoroughly with vortexing or sonication.

Note: Slight heating may help NAD dissolve in water, but will also cause a quicker degradation of the solution. Aqueous solutions (pH 2-7) may be used in place of water and stored at -80°C in single use aliquots for up to 6 months. Neutral or slightly acidic solutions are stable at 0°C for up to 2 weeks.

WARNING: Solutions should be prepared fresh and used immediately unless great care is taken to prevent degradation of NAD and formation of enzyme inhibitors. Solutions will rapidly degrade with heat and in alkaline solutions, especially in the presence of phosphate, carbonate or maleate. Store at -80°C for long term storage and protect from light.