

Stock Solution



TD-S Revision 2.0

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50x TAE Stock Solution

Instructions

1. Weigh 242.28 g of Tris ([Tris, GoldBio Catalog # T-400](#) [CAS 77-86-1, mw. = 121.14]).
2. Add 18.61 g EDTA Disodium ([EDTA Disodium, GoldBio Catalog # E-210](#) [CAS 6381-92-6, mw. = 372.24]).
3. Add 750 ml dH₂O and dissolve completely.
4. Add 57.1 ml Glacial Acetic Acid.
5. Fill to final volume of 1 L with dH₂O. Store at room temperature.

Note: A 1:50 dilution of TAE Stock Solution with dH₂O will create a 1X Working Solution. The buffer should have a final pH of ~8.6 and will not require adjustment.

Note: 1X TAE contains: 40mM Tris, 20mM acetate and 1mM EDTA.