

0.5M EDTA (pH 8.0)

For 1 litre

186.1 g EDTA [= $C_{10}H_{14}O_8Na_2N_2 \cdot 2H_2O$ = EDTA disodium salt]
→ 18-20g NaOH, followed by 1-4ml 10M NaOH to pH
→ to 1 l with dH₂O

EDTA - Fisher BioReagents: BP120

NOTES:

EDTA will not go into solution until pH approaches 8.0.

To make:

1. Add 186.1 g EDTA to ~900 ml dH₂O, start stirring.
2. Measure 20 g NaOH into 50 ml centrifuge tube, add half (10 g) to EDTA "solution".
3. Every few hours add a few more NaOH pellets - once EDTA goes into solution stop adding pellets.
4. pH solution to 8.0 with 10M NaOH.

Making EDTA solution can take 2-3 days.