

20X TAE

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|---------------|------------------------------------|
| TRIS-Base | 96.8g/L |
| Acetic Acid | 22.8mL/L |
| Disodium EDTA | 5.84g/L or 40mL (0.5M) EDTA pH 8.0 |
| H2O | QS |

pH to 8.5 with NaOH

Make 4L of 20X TAE

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|---------------|--------|
| Tris-Base | 387.2g |
| Acetic Acid | 91.2mL |
| Disodium EDTA | 23.36g |
| H2O | QS |

pH to 8.5 with NaOH

Add all ingredients to 3L of H2O (QS after pH is adjusted). Stir till dissolved. Adjust pH to 8.5 with NaOH. Then QS to 4L with H2O. Pour into four 1L bottles, where each bottle is ready to make 20L of 1X TAE.

10X TBE

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|------------------|--------|
| TRIS-Base | 108g/L |
| Boric Acid | 55g/L |
| EDTA(0.5M pH8.0) | 40mL/L |
| H2O | QS |

Make 4L of 10X TBE

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|------------------|-------|
| TRIS-Base | 432g |
| Boric Acid | 220g |
| EDTA(0.5M pH8.0) | 160mL |
| H2O | QS |

Add all ingredients to 3L of H2O. Stir till dissolved. QS to 4L with H2O. Pour into four 1L bottles, where each bottle is ready to make 20L of 0.5X TBE.