



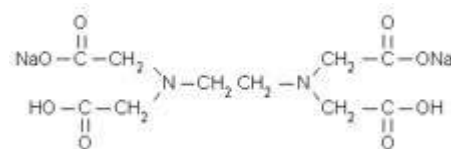
Product Information Sheet

E582 EDTA Solution 0.5 M, pH 8.0

Synonyms: N/A
CAS: 6381-92-6
Formula: $C_{10}H_{14}N_2O_8Na_2 \cdot 2H_2O$
Mol. Weight: 372.24

Properties

Form: Liquid
Appearance: Clear, Colorless
Solubility: Miscible with Water
Application: Molecular Biology, Cell Culture
Storage Temp: Room Temperature
Typical Working Concentration: Varies according to application
Notes: Sterile filtered, RNase & DNase Free
pH buffered to pH 8.0



Application Notes

EDTA is useful as a chelating agent due to its ability to sequester metal ions, like Ca_2^+ and Fe_3^+ . Some cations are responsible for various undesirable effects in cell culture processes. These metal ions will remain in the solution after being bound by EDTA, but exhibit a lowered activity. The use of EDTA therefore allows for greater control over many experiments in which an extent of cation control is necessary.

EDTA is also commonly used in electrophoresis buffer systems. This solution is buffered using NaOH to reach a pH of 8.0.

References

PhytoTechnology Laboratories®

P.O. Box 12205; Shawnee Mission, KS 66282-2205

Phone: 1-888-749-8682 or 1-913-341-5343; Fax: 1-888-449-8682 or 1-913-341-5442

Web Site: www.phytotechlab.com

© 2012 PhytoTechnology Laboratories®