



Product Information Sheet

H276 HEXADECYLTRIMETHYLAMMONIUM BROMIDE

Synonym: CTAB, HTAB, Centimide, Cetrimide, Cetrimonium bromide
CAS: 59-09-0
Formula: $C_{19}H_{42}NBr$
Molecular Wt: 364.45

Properties

Form: Powder
Appearance: White to Off-White Powder
Application: Molecular Biology
Solubility: Soluble in Water
Typical Working Concentration: 10-20 g/L
Storage Temp: Room Temperature

Application Notes

CTAB is a cationic detergent that is often used to complex and precipitate high molecular weight DNA when the NaCl concentration drops from 0.7M to 0.35M (Murray and Thompson 1980). Its activity is neutralized by anionic detergents (such as SDS). It also exhibits bactericidal activity against both gram positive and negative organisms.

References

Merck 13, 2034.

M.G.Murray and W.F.Thompson (1980). Rapid isolation of high molecular weight plant DNA. *Nuc. Acids Res.* Vol 8(19) pg. 4321-4325.

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