Product Information Sheet

H3818
CTAB Solution (100 mg/mL)

Synonyms:	HTAB, Centimide, Cetrimide, Cetrimonium bromide, Hexadecyltrimethylammonium Bromide
CAS:	57-09-0
Formula:	$C_{19}H_{42}NBr$
Mol. Weight:	364.45

Properties

Form:	Liquid
Appearance:	Clear, Colorless
Solubility:	Miscible with Water
Application:	Microbiology, Phytopathology, Seed Testing, Molecular Biology
Storage Temp:	Room Temperature
Typical Working Concentration:	Varies with application, should be determined by end user.

Application Notes

CTAB is a cationic detergent that exhibits bactericidal activity against both gram positive and negative organisms (Dawson et al.,1986). CTAB has been used to isolate DNA of high molecular weight from plants (Murray & Thompson, 1980). Its activity is neutralized by anionic detergents (such as SDS) and some soaps.

CTAB can be used for plant pathogen selection with our PhytoSelect Basal Medium (P6800). Depending on the choice of carbon source and additional antibiotics, CTAB can be used to select for *Burkholderia glumae*, *Acidovorax avenae*, and *Pectobacterium carotovorum*.

It has been noted that if solutions of CTAB are stored at temperatures below 15°C, CTAB may start to precipitate. CTAB solutions have shown to be stable at room temp for multiple years (Ausubel, 1999).

References

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