



## Extraction Buffer (CTAB based)

Cat. No.	size
E0290-01	1 l

### Storage Conditions:

Store at room temperature.

### References:

1. Ausubel, F.A., Brent, R., Kingston, R.E., Moore, D.D., Seidman, J.G., Smith, J.A. & Struhl, K. (eds.) (2001) *Current Protocols in Molecular Biology*. Page 2.3.5 (Suppl. 45) Greene Publishing & Wiley-Interscience, New York.

Lysis buffer with CTAB for plant tissues (pH 8.0).

The cetyltrimethylammonium bromide (CTAB) is a cationic detergent used to denature proteins and selectively precipitate nucleic acids. It forms an insoluble complex with DNA/RNA when the initial NaCl concentration is lowered to 0.5 M, however at concentrations higher than 0.7 M of NaCl complexes of CTAB and nucleic acids become soluble (1).

Lysis buffer with CTAB is recommended for isolation of chromosomal DNA from plant tissues containing high amounts of polysaccharides and polyphenolics, which can be effectively removed with this method.

### Composition:

CTAB	20.00 g/L (2% w/v)
EDTA · Na <sub>2</sub> · 2H <sub>2</sub> O	7.44 g/L (20 mM)
NaCl	81.82 g/L (1.4 M)
Tris (ultrapure)	12.11 g/L (100 mM)

### Quality Control:

Nuclease-free.

This product is developed, designed and sold exclusively for research purposes and in vitro use only.