Specification

CTAB - Lysis buffer *BioChemica* A4150

Physical Description:	Liquid
Product Code:	A4150
Product Name:	CTAB - Lysis buffer *BioChemica*
Specifications:	pH (20°C): 8.0 ± 0.1 **Composition:** CTAB: 20.00 g/L (2 % w/v) EDTA · Na_2 · $2H_2O$: 7.44 g/L (20 mM) Tris ultrapure: 12.11 g/L (100 mM) Sodium chloride: 81.82 g/L (1.4 M)
Hazard pictograms	
WGK:	2
Storage:	RT
Signal Word:	Attention
GHS Symbols:	GHS07
H Phrases:	H319
P Phrases:	P264 P280 P305+P351+P338 P337+P313
CS:	38220000

AppliChem GmbH
Ottoweg 4 • D-64291 Darmstadt • Phone +49 6151 9357 0 • Fax +49 6151 9357 11 • **info.de@itwreagents.com** • **www.itwreagents.com**
CEO Joan Roget • Commerzbank Darmstadt • Bank 508 800 50 • Account 0186989900 IBAN DE24 5088 0050 0186 9899 00 • Swiftcode DRESDEFF508 • Finanzamt Darmstadt 07 228 16476 • Register court Darmstadt HRB Nr. 7340

Specification

CTAB - Lysis buffer *BioChemica* A4150

Comment

The cationic detergent cetyltrimethylammonium bromide (CTAB) is used to liberate and complex with total cellular nucleic acids. CTAB forms an insoluble complex with nucleic acids when the initial NaCl concentration is lowered to ~0.5 M. Polysaccharides, phenolic compounds and other enzyme-inhibiting contaminats found in plant cells are efficiently removed in the supernatant because most do not precipitate under these conditions (1).

Bibliography

(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.

AppliChem GmbH
Ottoweg 4 • D-64291 Darmstadt • Phone +49 6151 9357 0 • Fax +49 6151 9357 11 • **info.de@itwreagents.com** • **www.itwreagents.com**
CEO Joan Roget • Commerzbank Darmstadt • Bank 508 800 50 • Account 0186989900 IBAN DE24 5088 0050 0186 9899 00 • Swiftcode DRESDEFF508 • Finanzamt Darmstadt 07 228 16476 • Register court Darmstadt HRB Nr. 7340