PRODUCT: **BCP - PHASE SEPARATION REAGENT** June 2014

Cat. No: BP 151

Storage: Store at room temperature and away from heat and ignition sources. This product is stable for at least two years from the date of purchase. BCP vapors are flammable; place empty containers in a fume hood to exhaust residual combustible material before disposal of the container.

PRODUCT DESCRIPTION

The Phase Separation Reagent consists of molecular biology grade 1-bromo-3-chloropropane (BCP). BCP replaces chloroform in the single-step method of RNA isolation, or the simultaneous isolation of RNA, DNA and proteins with TRI Reagent®. Substituting BCP for chloroform does not affect the quality of isolated RNA, DNA or proteins. Tthe use of BCP as a phase separation reagent decreases the possibility of DNA contamination of RNA. (P. Chomczynski and K. Mackey, Anal Biochem. 225:163-164.1995).

PRODUCT APPLICATION

Phase separation reagent is used with TRI Reagent®, TRI Reagent®LS and TRI Reagent®BD. Following sample homogenization, supplement the homogenate with 0.1 ml of BCP per 1 ml of TRI Reagent® used for homogenization. This volume of BCP replaces 0.2 ml of chloroform used in the TRI Reagent® procedure. Vigorously mix the homogenate with BCP and proceed with centrifugation and other steps of the TRI Reagent® protocol.

PRODUCT SPECIFICATION

Tested as a phase separation reagent in TRI Reagent® protocols for RNA, DNA and protein isolation.

Formula:	C_3H_6BrCl	Mol wt:	157.44
Purity:	Molecular Biology Grade, >99%	Density:	1.592

Safety: Eye and skin irritant. Hazardous in case of ingestion or chronic inhalation.
Read SDS prior to use. HMIS rating H2,F2,R0. Use eye, face and skin protection.