

Matrix Dissociation Buffer (EDTA-based), Sterile-Filtered, Molecular Grade

ALTERNATE NAME:	Ethylenediaminetetraacetic acid disodium, EDTA
CATALOG#:	M1090-100
AMOUNT:	100 ml
STRUCTURE:	$C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$
MOLECULAR WEIGHT:	372.24 g/mol
CONCENTRATION:	0.5 M EDTA in H ₂ O
APPEARANCE:	Clear, colorless liquid
FORMULATION:	10% solution in water (sterile-filtered, 0.2 µm), pH 8.0
FOREIGN ACTIVITY:	DNase, RNase, NICKase and protease, none detected. Molecular Biology Grade.
STORAGE:	Store at room temperature

DESCRIPTION: BioVision's Matrix Dissociation Buffer is a non-enzymatic matrix and cell dissociation buffer formulated mainly with EDTA. It is used to dissolve the matrix and dissociate adherent cells in tissue culture. It is to be an alternative to Trypsin when used in conjunction with serum-free or serum-containing media. EDTA prevents platelet aggregation and is, therefore, the preferred anticoagulant for platelet counts. 0.5 M EDTA, pH 8.0 is an aqueous solution prepared by dissolving $C_{10}H_{14}N_2Na_2O_8 \cdot 2H_2O$ in distilled, deionized water and adjusting the pH to 8.0 with sodium hydroxide. This sterile-filtered solution is suitable for biochemistry or molecular biology applications requiring a chelator of divalent metal ions.

HANDLING:

For Laboratory Use Only. Not for drug, household or other uses. Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

FOR RESEARCH USE ONLY! Not to be used in humans.