
Specification Sheet: EGTA (0.1N, pH 7.5)

EGTA (0.1N in Tris-HCl, pH 7.5)

Provided as a 20 ml solution

Storage: Room Temperature

Specifications:

Chemical Name: glycol-bis(2-aminoethylether)-*N,N,N',N'*-tetraacetic acid

Formula: C₁₄H₂₄N₂O₁₀

CAS Number: 67-42-5

MW: 380.35

Appearance as provided: clear liquid

EGTA (ethylene glycol tetraacetic acid) is a chelating agent with much higher affinity for calcium than magnesium ion. EGTA is often included in buffer solutions employed in intracellular calcium measurements to adjust free calcium levels. Adjusting the free calcium levels allows the researcher to identify the source and mechanism of calcium mobilization. By employing EGTA in the bath solution, the researcher is able to distinguish influx from the cell surface, or from intracellular stores.

EGTA is typically used at a concentrations 1-5 mM.

The EGTA offered by FIVEphoton Biochemicals has been stringently formulated for application in ion channel physiology experimentation, particularly for intracellular calcium imaging.

Storage: RT

Safety: Irritant. Avoid ingestion, skin and eye contact