

SOP-P007

Preparation of 2 mM EDTA

Objective: To prepare a solution of EDTA in phosphate buffered saline for detachment of adherent cells from culture flasks

Procedure:

1. Measure out 200 ml PBS (refer to SOP#-P020 for Preparation of Phosphate Buffered Saline) into a graduated cylinder.
2. Add 173.6 mg tetrasodium EDTA (ethylenediamine tetraacetic acid).
3. Cover the top of the cylinder securely with parafilm and invert the cylinder gently several times to mix.
4. In a sterile environment such as a laminar flow hood immediately sterilize the solution by filtration through a sterile membrane with a porosity of 0.2 μm into a sterile container.
5. Label container with content information, date, and your initials.
6. Store the filtered solution refrigerated at 0-5°C.

Created by: Gretchen Lawler

Verified by: _____ **Date:** _____
Print Name Sign Name