[Protocol 1.02.1] Preparation of 0.5 mM EDTA

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Media and Reagents:
UltraPureTM 0.5 M EDTA (Thermo Fisher,15575-020)
PBS w/o Ca2+, Mg2+ (Life Technologies, 14190250)

Materials and Equipment:
Pipettes
Filtered pipette tips
5 mL, 10 mL pipettes

1. Introduction and Purpose
This protocol describes how to aliquot/prepare EDTA according to the concentration, which is used for the chemical passage of induced pluripotent stem cells (iPSC) cultured in Geltrex or Matrigel coated well plates.

2. Aliquoting 0.5 M EDTA
Pipette 10 - 13 ml of UltraPureTM 0,5 M EDTA (pH 8.0) into a 15 ml Falcon tube and store this at room temperature on the rack in the cell culture lab

3. Preparation of 0.5 mM EDTA
1. Prepare 0.5 mM EDTA by adding the appropriate volume of UltraPureTM 0,5 M EDTA (pH 8.0) to PBS w/o Mg2+, Ca2+ (1:1000 dilution).
2. Label it with the detailed name of the solution, e.g. 0.5 mM EDTA + PBS (-/-), the name of who prepared, and the date of the preparation.
3. Store the labeled 15 ml Falcon tube with 0.5 mM EDTA at room temperature on the rack in the cell culture lab