PROTOCOL
Protein Extraction

Application

This protocol explains how to perform protein extraction with P3D Scaffolds. For more protocols, please visit our Resources Platform.

Materials

- PBS
- Lysis buffer
- Centrifuge
- Ice

Flowchart

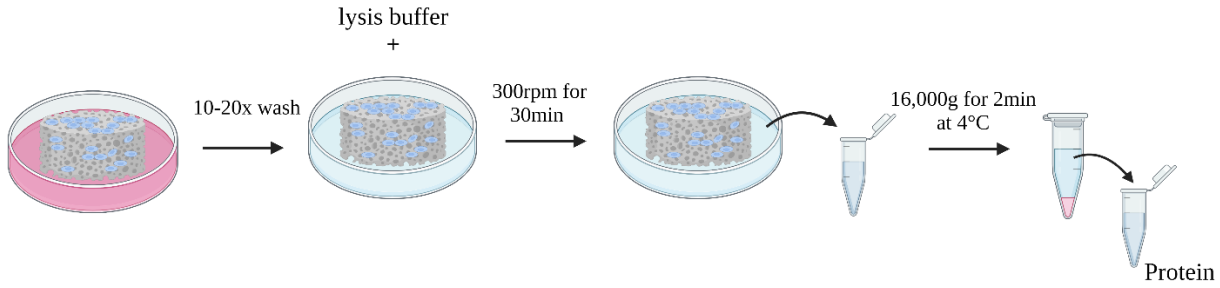

FIGURE 1: *WORKFLOW FOR HARVESTING PROTEIN FROM CELLS CULTURED ON P3D SCAFFOLDS.*

Notes before starting and general advice on material handling

- All handling of The P3D Scaffolds products should be performed using gloves, according to the standard aseptic methods.
- The scaffolds are supplied sterile by dry heat sterilization and remain sterile until opened.

Procedure

- Aspirate cell medium.
- Wash 10-20x in prewarmed PBS for 1 minute each wash. When washing alternate between dripping on the top of the scaffold and beside the scaffold. It is important to remove all traces of medium.
- Cover scaffolds in lysis buffer.
- Shake scaffolds at 300 rpms for 30 min.
- Flush scaffolds and collect lysate in Eppendorf tubes.
- Centrifuge samples at 16,000 g for 20 min at 4C.
- Place samples on ice and pipette supernatant with proteins in to clean prelabelled Eppendorf tubes
- Samples can now be stored at -80C and continue to downstream protein applications

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