مؤسسة مستشفى سرطان الأطفال-مصر
Children's Cancer Hospital Foundation - Egypt
57357

Urea Protein Extraction

Proteomics & Metabolomics Unit
proteomics.lab@57357.org

Children's Cancer Hospital 57357
Cairo, Egypt

https://www.57357.org/proteomics-unit/

1. Wash cells to collect using existing media and transfer them to a centrifuge tube.
2. Centrifuge samples at 4000xg for 5 minutes at 4°C.
3. Discard supernatant, then add depending on the size of the pellet 50-100µl of the Urea buffer (8M Urea, 500mM Tris-HCl pH 8.5), then add 1ul Protease inhibitor.
4. Shake vigorously at room temperature for 1 hour.
5. Centrifuge at 10,000 RPM for 30 minutes to remove cell debris at 4°C.
6. Transfer supernatant to a new tube.