



INSTRUCTIONS

Apparatus for High-Throughput Filtration of Cell Lysates

Catalog# : OC21DAHL

Product Description: Each well contains integrated prefilters for efficient clarification of cell lysates.

Storage: Upon receipt store at RT.

Introduction

The clarification of cell requires separation of cell debris, colloids, insoluble precipitates, aggregates and other contaminants before the target molecule is isolated and characterized.

Orochem's 96-well filter plate is an apparatus for crude lysate filtration comprising multi-well filtration plate. Each well comprises an upper filtration zone; a lower filtration zone; a conical flow director zone; wherein the upper filtration zone comprises an upper collection zone, a depth filter media zone, and a deep bed filtration zone; and the lower filtration zone comprises the retainer ring and a supported membrane.

Procedure

A. Additional Materials Required

- Variable-speed bench-top centrifuge with rotor and appropriate carriers capable of handling stacked plates at 1000 x *g*

B. General Procedure for Lysate Filtration Using Centrifugation

1. Perform lysate clarification at room temperature or at 4°C.
2. Place the filter plate on top of a collection plate.
3. Apply up to 800 μ L of cell lysate in to each well.
4. Place the assembly into a centrifuge with appropriate carriers capable of handling stacked plates, balance the centrifuge with appropriate plates and centrifuge at 1000 x *g* for 2 minutes to collect the clarified cell lysate.