ALPHA DIAGNOSTIC INTERNATIONAL

# Item Name : MCF-7 Whole Cell Lysate (Human breast adenocarcinoma cells)

**Cat#** MCF7-50 and MCF7-100

**Size**: 50 or 100 ug

**Tissue type** Human breast adenocarcinoma cells

**Source** Human

**Buffer:** HEPES (pH7.9), KCl, Sucrose, Sodium deoxycholate, and NP-40

**Store** For extended storage, freeze working aliquots at -70°C. Repeated freezing and thawing is not recommended. Under proper storage conditions the shelf life is half a year from the date of receipt.

**Concentration** Lysate is supplied at a concentration of 5.0 ug/ul.

All items are for in vitro research use only.

**Recommended Usage**

Lysates are prepared as positive controls for separation by SDS-PAGE and subsequent western blot analysis. Add 2X Laemmli buffer at 1:1 ratio of sample or higher concentrate of Laemmli buffer at appropriate ratio. Heat lysates for 5-10 minutes prior to loading unless otherwise specified on the antibody datasheet. Protein lysate can be validated by Western Blot using specific biomarker: GAPDH for total protein, cytoplasmic and universal total protein; Histone for nuclear protein; Na/K ATPase for membrane protein; or Vimentin for cytoskeleton protein

**Related items**

Antigen-Antibody Pen for Primary Antibodies (annotate blots and visualize ladders without expensive ECL specific ladders)
#90100 Western blot recycling kit
80200 Western blot Kit for Rabbit Primary Antibodies, Chemilum. Substrate
80201 Western blot Kit for Goat Primary Antibodies, Chemilum. Substrate
80202 Western blot Kit for Mouse Primary Antibodies, Chemilum. Substrate
80215 NuGlo ECL Substrate Kit for Western blot
80400-100 Bovine Serum Albumin (BSA, protease-free) for western (makes ~2-L buffer @5% BSA)
80400-100 Bovine Serum Albumin (BSA, protease-free) for western (makes ~2-L buffer @5% BSA)
#ACTB12-M Mouse monoclonal anti-beta actin IgG
#G3PDH12-M Mouse monoclonal anti-G3PDH (GAPDH)

RIPA buffer, mol wt markers, Mouse, rat and human tissue lysates and pre-made protein blots are also available.



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