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MCF7
Whole Cell Lysate

Catalog No: PX321A **Size:** 100 µg
PX321B **Size:** 500 µg

Cell Line: MCF7 (Human breast adenocarcinoma)

Growth Medium: ATCC medium (Minimum essential medium Eagle with 2 mM *L*-glutamine and Earle's BSS containing 1.5 g/L sodium bicarbonate, 0.1 mM non-essential amino acids and 1.0 mM sodium pyruvate, and 10% FBS)

Cell Lysate Preparation: MCF7 cell lysate was prepared by homogenization in modified RIPA buffer (50 mM Tris-HCl, pH 7.4, 1% Triton X-100, 0.2% sodium deoxycholate, 0.2% sodium dodecylsulfate (SDS), 1 mM sodium ethylenediaminetetraacetate, 1 mM phenylmethyl-sulfonyl flouride, 5 µg/ml of aprotinin, 5 µg/ml of leupeptin). Cell debris was removed by centrifugation. Protein concentration was determined with Bio-Rad protein assay. The lysate was boiled for 5 min in 1 x SDS sample buffer (50 mM Tris-HCl pH 6.8, 12.5% glycerol, 1% SDS, 0.01% bromophenol blue) containing 5% β-mercaptoethanol.

Application: MCF7 cell lysate is ready to load on SDS-PAGE for Western blotting. It is recommended to load 10 µg to 20 µg per lane for mini gel.

Storage: It is supplied as whole cell lysate, 100 µg per vial at 2.0 mg/ml, in 1 x SDS sample buffer containing 5% β-mercaptoethanol. Storage at -20°C is stable for three months and -70°C for one year.

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