

## Lysate Preparation

Pervanadate is a protein tyrosine phosphatase inhibitor that is commonly used to increase tyrosine phosphorylation in cells. When cells are treated with pervanadate for 30 minutes they undergo significant tyrosine phosphorylation, as shown by western blotting using anti-Phosphotyrosine (PP2221).

Fibroblast from rabbit spleen were harvested to generate a primary fibroblast cell line. Confluent cultures of rabbit fibroblasts were serum starved 2 hrs, then either left untreated (Cat.# FL9691) or treated with pervanadate (1 mM) for 30 minutes at 37°C (cat.# FL9701). Cells were lysed in 1% SDS, 1.0 mM sodium ortho-vanadate, 10 mM Tris (pH 7.4) buffer. Protein concentration was determined using the BCA method (Pierce) before diluting to final concentration and buffer.

## Buffer and Storage

Cell Lysates are supplied at a concentration of 1 mg/ml in electrophoresis sample buffer (62.5 mM Tris pH 6.8, 2% SDS, 5% glycerol, 0.003% bromophenol blue, 0.9%  $\beta$ -mercaptoethanol). Store at  $-20^{\circ}\text{C}$ . Do not boil or dilute. Stable for 1 year.

## Applications

WB                    20  $\mu$ l/lane

End user should determine optimal quantity for their particular applications and experiments.

## Related Products

FL9691	Rabbit Fibroblast Pervanadate Control Lysate
FL9671	Rabbit Fibroblast Calyculin A Control Lysate
FL9681	Rabbit Fibroblast + Calyculin A Lysate
PK6330	Phospho-Tyrosine, Serine, Threonine Antibody Sampler Kit
PM3751	Anti-Phosphotyrosine Mouse Monoclonal

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