



HeLa Cell Lysate

Product Specifications	
Catalog Number:	LYC-HL100
Protein Species:	Human
Application Notes: <i>The optimal dilution for a specific application must be determined by the investigator</i>	WB Control ¹⁻² : 20 µg/lane <i>This lysate is useful as an internal positive control in immunoblotting studies. The recommended shelf life from date of receipt of lysate is 6 months. Boil for 5 minutes and store at -70°C.</i>
Format:	SDS PAGE sample buffer (40 mM Tris-HCl pH 6.8, 1% SDS, 50 mM DTT, 7.5% glycerol, 0.003% bromphenol blue), 50 mM DTT heated for 10 min at 70°C
Storage: <i>Shipping conditions may differ from the recommended storage temperature</i>	Store at -70°C
Related Products:	
LYC-HL101	HeLa Cell Lysate (Heat Shocked)
LYC-HL102	HeLa Cell Lysate (Heat Shocked, No Recovery Time)
LYC-3T100	3T3 Cell Lysate
LYC-JK100	Jurkat Cell Lysate
LYC-PC100	PC-12 Cell Lysate

Production Method:

HeLa cells were maintained in 90% Eagle's Minimal Essential medium with Earle's BSS, 0.1 mM non-essential amino acids, 2 mM L-glutamine, 10% fetal bovine serum, 50 µg/mL gentamycin sulfate and 1 mM sodium pyruvate. Cells were collected from media by centrifuging at 1200 rpm at 4°C in a Beckman GS-6R centrifuge for 7 minutes, then washed twice in PBS and lysed in M-PER Mammalian Protein Extraction Reagent (Pierce catalog# 78501) with a protease inhibitor cocktail. Cell lysate was adjusted to 2mg/mL in SDS PAGE sample buffer (40 mM Tris-HCl pH 6.8, 1% SDS, 50 mM DTT, 7.5% glycerol, 0.003% bromphenol blue), and heated for 10 min at 70°C.

Background:

The HeLa cell line was originally derived from epithelioid carcinoma tissue (cervix) from a human donor.

References:

1. White, R.J., *et al.* (2002) Dig Dis Sci. **47**, 1873-1885.
2. Itzhaki, O., *et al.* (2003) Mech Ageing Dev. **124**, 999-1012.