

MATERIAL DATA SHEET**S-100 Fraction (S-100), *HeLa*****Cat. # F-372**

Cell fraction containing the full *HeLa* cell compliment of E1, E2s, E3s, 20S and 26S proteasomes, isopeptidases, and PA28. Useful in assays to demonstrate ubiquitin conjugation and degradation.

Product Information

Quantity: 2.5 mg

Stock: X mg/ml in 50 mM HEPES pH 7.6, 20mM NaCl, 0.5 mM DTT.
Actual concentration varies with lot number.

Use & Storage

Use: Ideal for demonstrating ubiquitin proteasome degradation/ conjugation of radio-labeled or immuno-detectable substrates. Typical assay concentration for extract is 0.5-4 mg/ml. Isopeptidase inhibitor (**U-201**) and a proteasome inhibitor are highly recommended for the efficient accumulation of ubiquitin-protein conjugates.

Storage: Store at -80°C. For best results, aliquot and freeze after first set of experiments to avoid multiple freeze/thaw cycles.

Literature

References: Hersko A., *et al.* (1982) *J. Biol. Chem.* **258**:8206-8214
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Wing S.S. (2003) *Intl. J. Biochem. Cell. Biol.* **35**:590-605
Voges D., *et al.* (1999) *Ann. Rev. Biochem.* **68**:1015-1068
Waxman L., *et al.* (1987) *J. Biol. Chem.* **262**:2451-2457
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