

### RIPA buffer, Thermo Scientific Pierce



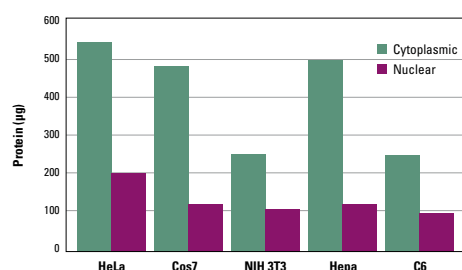
PN

The highest quality RIPA buffer available.

- Convenient - ready to use solution
- Flexible - compatible with many applications, including reporter assays, protein assays, immunoassays and protein purification

The Thermo Scientific Pierce RIPA buffer is a reliable buffer used to lyse cultured mammalian cells from both plated cells and cells pelleted from suspension cultures. It enables the extraction of membrane, nuclear and cytoplasmic proteins.

Catalogue No	Description	Quantity
<b>PN89900</b>	<b>RIPA buffer</b> A 1X formulation consisting of 25mM Tris HCl, pH7.6, 150mM NaCl, 1% NP-40, 1% sodium deoxycholate and 0.1% SDS	100mL
<b>PN89901</b>	<b>RIPA buffer</b>	250mL



**Total protein profile of cytoplasmic and nuclear extracts prepared from a variety of mammalian cell lines using Thermo Scientific NE-PER reagents.** Protein was quantitated using the Thermo Scientific Pierce Micro BCA protein assay reagent. Values are the average of two separate isolations.

### NE-PER nuclear and cytoplasmic extraction kit, Thermo Scientific Pierce



PN

A fast and easy means of obtaining concentrated nuclear extracts.

- Easy - benchtop microcentrifuge tube method eliminates need for cumbersome freeze/thaw cycles, Dounce homogenisation, lengthy centrifugation times and cold room work
- Versatile - obtain nuclear and cytoplasmic extracts separately from the same set of cells or tissue
- Compatible - use extract for downstream assays including Western blotting, gel shift assays, protein assays, reporter gene assays and enzyme activity assays

The Thermo Scientific NE-PER nuclear and cytoplasmic extraction kit enables generation of separate cytoplasmic and nuclear protein fractions in less than two hours.

The microcentrifuge tube method involves cell lysis in hypotonic buffer containing a proprietary detergent, microcentrifugation to pellet the intact nuclei, removal of cytoplasmic fraction, and final lysis of the nuclei. Typical cross-contamination between cytosolic and nuclear fractions is <10%. From  $2 \times 10^6$  cells, typical cytoplasmic protein yield is 200µg to 500µg and typical nuclear protein yield is 100µg to 200µg (at a concentration >1mg/mL).

Catalogue No	Description
<b>PN78833</b>	<b>NE-PER nuclear and cytoplasmic extraction kit</b> Sufficient reagents for extracting 50 cell pellet fractions having packed cell volumes of 20µL each (a total of ~2.0g of cell paste). Includes: Cytoplasmic extraction reagent I (CER I), 10mL Cytoplasmic extraction reagent II (CER II), 550µL Nuclear extraction reagent (NER), 5mL
<b>PN78835</b>	<b>NE-PER nuclear and cytoplasmic extraction kit</b> Sufficient reagents for extracting 250 cell pellet fractions having packed cell volumes of 20µL. Includes: Cytoplasmic extraction reagent I (CER I), 50mL Cytoplasmic extraction reagent II (CER II), 2.75mL Nuclear extraction reagent (NER), 25mL