

## Membrane protein extraction kit

**Storage condition:** Buffers are stored at 2-8 °C. The 50 x PI solution should be stored at -20 °C. If the kit is going to be used for multiple extractions, aliquot the PI solution properly before storing. The kit is stable for 1 year when handled properly.

**Applications:** This kit is suitable for:

- Membrane protein expression
- Enrichment of low-abundance proteins or enzymes for activity or function assay
- Protein-protein interaction studies of membrane proteins
- Receptors function study

### Quality control:

The kit of this lot has been tested to go through the membrane protein extraction procedure from rat colon. The proteins from the extraction are used for electrophoresis, transferring to PVDF membrane and immunoblotting with Mouse anti-Na/K ATPase as primary antibodies, and HRP-conjugated anti-Mouse IgG as secondary antibodies.

### Description:

Membrane protein extraction kit is designed to quickly isolate membrane from mammalian tissues and cells. Components in this kit are prepared with pure chemicals according to the proprietary technology. To prevent protein degradation, a ready-to-use protease inhibitor cocktail is provided. The kit is consisted of reagents enough for extraction of membrane proteins from 5 grams tissues or about 125 million cells. Minimal 0.1 grams tissue or 2.5 million cells should be required. The protein product has been investigated by SDS-PAGE and immunoblotting of selected marker proteins.

### Components:

Item	Components	Content	Part number
Buffer C	HEPES (pH 7.9), MgCl <sub>2</sub> , KCl, EDTA, sucrose, glycerol, sodium orthoVanadate	22 ml	K3014005-1
Buffer E	Tris-HCl (pH 7.5), Trito X-100, glycerol, NaCl	6 ml	K3014005-2
50 x PI	A cocktail of protease inhibitors	0.6 ml	
Note	For ordering 50 x PI separately, please find Cat# K3011010-2		

**Shipping conditions:** Shipped with dry ice.

**Intended use of the products:** All products sold by AMSBIO are intended for research use only and must not be used for medical diagnostic or drug purposes. AMSBIO products may not resell, modified for resale or used to manufacture commercial products without written approval from AMSBIO.

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