

## ALTD Cell Lysis Buffer

**Catalog** E-BC-L001

**Specification:** 50 mL/ 100 mL

**No.:**

**Storage:** 2-8°C, 12 months

### Product Information

ALTD cell lysis buffer is a cell lysate specially developed for cell treatment and adapted to different metabolic parameters.

### Product suitability range

Catalog No	Product Name	Measuring instrument
E-BC-F018	Uric Acid (UA) Fluorometric Assay Kit	Fluorescence Microplate Reader
E-BC-F037	Glucose (GLU) Fluorometric Assay Kit	Fluorescence Microplate Reader
E-BC-F038	Alanine Aminotransferase (ALT/GPT) Activity Fluorometric Assay Kit	Fluorescence Microplate Reader
E-BC-K002-M	D-Lactic Acid/Lactate(LA)Colorimetric Assay Kit	Microplate reader
E-BC-K006-M	α-Amylase and β-Amylase Activity Assay Kit	Microplate reader
E-BC-K009-M	Alkaline Phosphatase (ALP) Activity Assay Kit (PNPP method)	Microplate reader
E-BC-K020-M	Total Superoxide Dismutase (T-SOD) Activity Assay Kit (WST-1 Method)	Microplate reader
E-BC-K022-M	CuZn/Mn Superoxide Dismutase (CuZn-SOD/Mn-SOD) Activity Assay Kit (Hydroxylamine Method)	Microplate reader
E-BC-K031-M	Catalase (CAT) Activity Assay Kit	Microplate reader
E-BC-K046-M	Lactate Dehydrogenase (LDH) Activity Assay Kit	Microplate reader
E-BC-K236-M	Aspartate Aminotransferase (AST/GOT) Activity Assay Kit	Microplate reader
E-BC-K245-M	Phosphorus (Pi) Colorimetric Assay Kit (Phospho Molybdate Method)	Microplate reader
E-BC-K278-S	Glutathione-S-Transferase (GST) Activity Assay Kit	Spectrophotometer
E-BC-K539-M	Na <sup>+</sup> K <sup>+</sup> -ATPase Activity Assay Kit	Microplate reader
E-BC-K610-M	Hexokinase (HK) Activity Assay Kit	Microplate reader
E-BC-K766-M	Lactate Dehydrogenase (LDH) Activity Assay Kit (WST-8 method)	Microplate reader
E-BC-K801-M	Total Antioxidant Status (TAS) Colorimetric Assay Kit	Microplate reader
E-BC-K802-M	Total Oxidant Status (TOS) Colorimetric Assay Kit	Microplate reader

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## Cell sample preparation

- ① Harvest the number of cells needed for each assay (initial recommendation  $2 \times 10^6$  cells).
- ② Wash cells with PBS (0.01 M, pH 7.4) (Repeat 3 times).
- ③ Homogenize  $2 \times 10^6$  cells in 200-300  $\mu$ L ALTD cell lysis buffer. Place on the ice box and crack for 10 min, mix well in 5 minutes (Different indicators have different requirements for sample dosage, which can be adjusted according to the requirements of cell dosage and extract dosage in specific indicators).
- ④ Centrifuge at 10000 $\times$ g for 10 minutes at 4°C to remove insoluble material.
- ⑤ Collect supernatant and preserve it on ice for detection.

## The key points of the assay

- ① All steps of sample lysis should be carried out on ice or at 4°C.
- ② The protein samples obtained from ALTD cell lysis buffer contain a high concentration of detergent, so the Bradford method can not be used to determine the protein concentration of the samples, and the BCA method is recommended to determine the protein concentration.
- ③ For your safety and health, please wear a lab coat and wear disposable gloves to operate.