CAMT Cell Lysis Buffer

Catalog No: E-BC-L002 **Specification:** 50 mL/ 100 mL

Storage: 2-8℃, 12 months

Product Information

CAMT 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-K006-M	α-Amylase and β-Amylase Activity Assay Kit	Microplate reader
E-BC-K011-M	Glucose-6-phosphate (G6P) Colorimetric Assay Kit	Microplate reader
E-BC-K030-M	Reduced Glutathione (GSH) Colorimetric Assay Kit	Microplate reader
E-BC-K044-M	L-Lactic Acid (LA) Colorimetric Assay Kit	Microplate reader
E-BC-K074-M	Myeloperoxidase (MPO) Activity Assay Kit	Microplate reader
E-BC-K096-M	Glutathione Peroxidase (GSH-Px) Activity Assay Kit	Microplate reader
E-BC-K177-S	Proline (Pro) Colorimetric Assay Kit	Spectrophotometer
E-BC-K219-M	Total Antioxidant Capacity (T-AOC) Colorimetric Assay Kit (ABTS, Enzyme Method)	Microplate reader
E-BC-K235-M	Alanine Aminotransferase (ALT/GPT) Activity Assay Kit	Microplate reader
E-BC-K245-M	Phosphorus (Pi) Colorimetric Assay Kit (Phospho Molybdate Method)	Microplate reader
E-BC-K611-M	Pyruvate Kinase (PK) Activity Assay Kit	Microplate reader
E-BC-K660-M	Glutaminase (GLS) 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-K832-M	Phosphate Colorimetric Assay Kit(Malachite Green Method)	Microplate reader

Cell sample preparation

① Harvest the number of cells needed for each assay (initial recommendation 2×10^6 cells).

② Wash cells with PBS (0.01 M, pH 7.4) (Repeat 3 times).

③ Homogenize 2×10^6 cells in 200-300 μL CAMT 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×g for 10 minutes at 4℃ 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 CAMT 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.