

Glutamate Assay Kit

Cat. No. Kit-0376 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Detection and Quantification of Glutamate Content.
Description	Glutamate, one of the two acidic proteinogenic amino acids, is also a key molecule in cellular metabolism. In humans, glutamate plays an important role both in amino acid degradation and disposal of excess or waste nitrogen. Glutamate is the most abundant swift excitatory neurotransmitter in the mammalian nervous system. It is believed to be involved in learning and memory and has appeared to be involved in diseases like amyotrophic lateral sclerosis, lathyrism, autism, some forms of mental retardation and Alzheimer's disease. Glutamic acid is also present in a wide variety of foods, and has been used as a flavor enhancer in food industry.
Applications	Functional Assay
Storage	Shipped and store at 4°C for 6 months.
Kit Components	Component-Volume-Storage 1. 96-Well Microplate; 2. Reagent I: 30 ml x 4, 4°C; 3. Reagent II: Powder x 1, 4°C; 4. Technical Manual: 1 Manual;Note: Reagent II: add 5 ml distilled water to dissolve before use, stored at 4°C.
Detection method	Colorimetric
Compatible Sample Types	Cell, Bacteria, Tissue, Serum, Plasma, Other biological fluids

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