



Coenzyme II NADPH Content Assay kit (WST method)

Coenzyme II NADP(H) is widely present in animals, plants, microorganisms and cultured cells. The determination of NADP⁺ and NADPH content can calculate the content of NADP(NADPH+NADP⁺) and the ratio of NADPH/NADP⁺, and its changes are related to the pentose phosphate pathway and biosynthesis and Antioxidative responses are closely related. The NADPH/NADP⁺ ratio is not only one of the main markers of cellular redox state, but also plays an important regulatory role in the PPP pathway, biosynthesis and antioxidant metabolism. The NADP⁺ and NADPH in the samples were extracted with acidic and basic extraction solutions, respectively. Under the action of 1-mPMS, WST-1 can react with NADPH to produce water-soluble formazan, which has a characteristic absorption peak at 450nm, while NADP⁺ can be reduced to NADPH by 6-phosphate glucose dehydrogenase, which is further detected by WST-1.

Catalog No.	250520
Size	50 Assays / 100 Assays
Product Category	Colorimetric Assay
Detection Method	Spectrophotometry / Micro-Plate Reader
Storage/Stability	-20°C/6 months
Shipping	Gel Packs