



Pyrroline-5-Carboxylate Reductase Activity Assay kit

Pyrroline-5-carboxylate reductase (P5CR) is an important housekeeping protein widely found in prokaryotes and eukaryotes. In the presence of NAD(P)H, pyrroline-5-carboxylic acid (P5C) is converted to proline by pyrroline-5-carboxylate reductase, and P5CR has also been found to be involved in the metabolism of thioproline in *E. coli*. Thioproline is dehydrogenated by pyrroline-5-carboxylate reductase and is accompanied by the conversion of NAD to NADH. In the presence of 1-mPMS, WST-1 reacts with NADH to produce water-soluble formazan with a characteristic absorption peak at 450 nm.

Catalog No.	250538
Size	50 Assays / 100 Assays
Product Category	Colorimetric Assay
Storage/Stability	-20°C/6 months
Shipping	Gel Packs