



Protein Disulfide Bond Content Assay kit

Proteins are an important class of biomolecules found in all living organisms and are the basic substances of life. Disulfide bond is a chemical bond that connects the sulfhydryl groups of two different cysteine residues in different peptide chains or the same peptide chain. Disulfide bonds have a great influence on the structure of proteins and play a role in stabilizing the spatial structure of peptide chains in protein molecules, so it is particularly important to determine the content of protein disulfide bonds. Reducing agent will make the disulfide bond cleaved, the cleaved sulfhydryl group will undergo nucleophilic reaction, that is, the sulfhydryl group reacts with 5,5'-dithio-bis-nitrobenzoic acid (DTNB) to produce a yellow color compound, with a maximum absorption peak at 412 nm, according to which, we can calculate the content of the disulfide bond of the protein.

Catalog No.	250579
Size	50 Assays / 100 Assays
Product Category	Colorimetric Assay
Storage/Stability	2-8°C/6 months
Shipping	Gel Packs