



## Serum (Plasma) Diamine Oxidase Activity Assay kit

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DAO (Diamine oxidase, EC1.4.3.6) is widely present in animals (intestinal mucosa, lung, liver, kidney, etc.), plants and microorganisms. It catalyzes the oxidation of polyamines to aldehydes, and its activity is closely related to the synthesis of nucleic acids and proteins, which can reflect the integrity and damage of the intestinal mechanical barrier. DAO catalyzes cadaverine to produce aldehyde and hydrogen peroxide. H<sub>2</sub>O<sub>2</sub> oxidizes Fe<sup>2+</sup> in potassium ferrocyanide to form Fe<sup>3+</sup>. Fe<sup>3+</sup> further reacts with 4-aminoantipyrine and phenol to form red quinone compounds. There is a characteristic absorption peak at 505 nm. The activity of DAO is calculated by measuring the absorbance at 505 nm.

Catalog No.	250514
Size	50 Assays / 100 Assays
Product Category	Colorimetric Assay
Storage/Stability	2-8°C/6 months
Shipping	Gel Packs