

## peroxidase

Cat. No. EXWM-0509

Lot. No. (See product label)

### Introduction

#### Description

Heme proteins with histidine as proximal ligand. The iron in the resting enzyme is Fe(III). They also peroxidize non-phenolic substrates such as 3,3',5,5'-tetramethylbenzidine (TMB) and 2,2'-azinobis(3-ethylbenzthiazoline-6-sulfonic acid) (ABTS). Certain peroxidases (e.g. lactoperoxidase, SBP) oxidize bromide, iodide and thiocyanate.

#### Synonyms

lactoperoxidase; guaiacol peroxidase; plant peroxidase; Japanese radish peroxidase; horseradish peroxidase (HRP); soybean peroxidase (SBP); extensin peroxidase; heme peroxidase; oxyperoxidase; protoheme peroxidase; pyrocatechol peroxidase; scopoletin peroxidase; Coprinus cinereus peroxidase; Arthromyces ramosus peroxidase

### Product Information

#### Form

Liquid or lyophilized powder

#### EC Number

EC 1.11.1.7

#### CAS No.

9003-99-0

#### Reaction

2 phenolic donor + H<sub>2</sub>O<sub>2</sub> = 2 phenoxyl radical of the donor + 2 H<sub>2</sub>O

#### Notes

This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.

### Storage and Shipping Information

#### Storage

Store it at +4 °C for short term. For long term storage, store it at -20 °C~-80 °C.