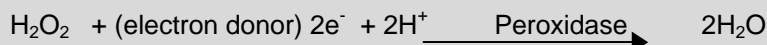


E2051212P1 Peroxidase



PRODUCT APPLICATION

This enzyme is suitable as indicator enzyme for reaction in which hydrogen peroxide is produced.

Can be used for H₂O₂ detection in conjunction with enzymes generating H₂O₂. Applications: for blood and food analysis and in the construction of disposable electrochemical and in vivo biosensors.

PRODUCT BENEFITS

Good enzyme activity and stability.
Very stable in solution.

STABILITY

Stable for:

50 days at +37°C
(Stability in solution 2 years at 37°C)
1 year at -20°C

STABILISER INFORMATION

This enzyme has been stabilised using our Q2090625D17 stabiliser solution. The solution is delivered in double strength to be added to the unstabilised enzyme E2030806P2 in buffer. For more information on our range of stabiliser solutions please contact our sales representative.

PHYSICAL PROPERTIES

Peroxidase	EC:1.11.1.7
Source	Horseradish
Appearance	Dry brown powder
Form supplied	Dry Stabilised powder
Activity	> 20 Units per mg material
Storage	-20°C
Quality Control	Activity determined by spectrophotometric assay

Unit Definition	One unit is defined as the amount of enzyme that will catalyse the production of 1 mg of purpurogallol in 20 seconds at 20°C and pH 6.0 .
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SAFETY AND HANDLING

Read the Material Safety Data Sheets (MSDS) and product labels before using the products.

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All values reported here are results of experiments conducted in our laboratories and are intended to illustrate the products performance. They are not intended to represent the products specifications

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