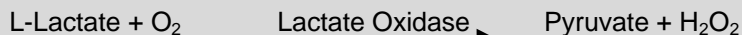


## E2040308P1 Lactate Oxidase



### PRODUCT APPLICATION

Lactate Oxidase has been successfully used in desktop lactate detection instrumentation and the detection of lactate for sports applications.

Also used for lactate detection in blood, food analysis and in the construction of disposable electrochemical biosensors and in vivo biosensors.

### PRODUCT BENEFITS

Unstabilised LOX is a more economical viable product in our range.

### STABILITY

Stable for 1 year at  $-20^{\circ}\text{C}$ .

### STABILISER INFORMATION

This enzyme can be stabilised using our Q2090625D27 stabiliser solution. The solution is delivered in double strength to be added to the unstabilised enzyme in buffer.

For more information on our range of stabiliser solutions please contact our sales representative.

### PHYSICAL PROPERTIES

Lactate Oxidase	Recombinant LOX
Source	<i>Aerococcus viridans</i>
Appearance	Dry yellowish powder
Form supplied	Dry unstabilised powder
Activity	> 20 Units per mg material
Contaminants	Pyruvate oxidase <0.001% U/U; Glucose Oxidase <0.001% U/U; Uricase <0.001% U/U; Cholesterol oxidase <0.001% U/U.
Quality Control	Activity determined by spectrophotometric assay
Storage	$-20^{\circ}\text{C}$

<b>Unit Definition</b>	One units is defined as the amount of enzyme which generated $1\mu$ mole of $\text{H}_2\text{O}_2$ at $37^{\circ}\text{C}$ and pH 6.5
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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