Creative Enzymes®

# D-lactate dehydratase

*Cat. No. EXWM-4971*

*Lot. No.* (See product label)

## Introduction

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|---|---|
| ***Description*** | The enzyme converts methylglyoxal to D-lactate in a single glutathione (GSH)-independent step. The other known route for this conversion is the two-step GSH-dependent pathway catalysed by EC 4.4.1.5 (lactoylglutathione lyase) and EC 3.1.2.6 (hydroxyacylglutathione hydrolase). |
| ***Synonyms*** | glyoxylase III |

## Product Information

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|---|---|
| ***Form*** | Liquid or lyophilized powder |
| ***EC Number*** | EC 4.2.1.130 |
| ***Reaction*** | (R)-lactate = methylglyoxal + H2O |
| ***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

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| ***Storage*** | Store it at +4 ℃ for short term. For long term storage, store it at -20 ℃~-80 ℃. |