

## PRODUCT SPECIFICATIONS

|                          |                                                                                                                                                                           |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product :</b>         | <b>Lactate Dehydrogenase</b>                                                                                                                                              |
| <b>Origin :</b>          | <b>Pig heart</b>                                                                                                                                                          |
| <b>Code :</b>            | <b>LDH-790</b>                                                                                                                                                            |
| <b>E.C. Number :</b>     | <b>1.1.1.27</b>                                                                                                                                                           |
| <b>Nomenclature :</b>    | <b>(S)-Lactate:NAD<sup>+</sup> oxidoreductase</b>                                                                                                                         |
| <b>Form :</b>            | <b>Crystalline suspension in 1.6M ammonium sulfate solution</b>                                                                                                           |
| <b>Activity :</b>        | <b><math>\geq 2,000</math> u/mg</b>                                                                                                                                       |
| <b>Contaminants :</b>    | <b>Malate dehydrogenase: <math>\leq 5 \times 10^{-2}</math> %<br/>Pyruvate kinase: <math>\leq 3 \times 10^{-2}</math> %<br/>GPT: <math>\leq 3 \times 10^{-2}</math> %</b> |
| <b>Unit definition :</b> | <b>1 unit causes the oxidation of 1 <math>\mu</math>mol of NADH/min at 25°C and pH 7.4</b>                                                                                |
| <b>Stability :</b>       | <b>12 months</b>                                                                                                                                                          |
| <b>Storage :</b>         | <b>-20 °C</b>                                                                                                                                                             |