

# LM5 Lactate Analyser







Analox Analysers offer unparalleled analytical performance and versatility to assist biotech, pharma and medical researchers.

The LM5 is used in a variety of research applications requiring effective lactate measurement including sports science, sepsis research and in food and beverage analysis.

The reliable, reproducible solution to streamline your research.



## Key Analyser Features

 <b>Analytical Performance</b>	 <b>Versatile</b>	 <b>Low Operating Costs</b>	 <b>Classic, Compact Design</b>	 <b>Fast Operation</b>	 <b>Easy Maintenance</b>
<p>Exceptional:</p> <ul style="list-style-type: none"><li>Accuracy (compared with other popular instruments)</li><li>Linearity</li><li>Precision</li></ul>	<ul style="list-style-type: none"><li>Accepts plasma, serum, other aqueous solutions and whole blood</li><li>Can be used with extremely small sample sizes (from 2.5-10ul)</li></ul>	<ul style="list-style-type: none"><li>Minimal reagent consumable consumption</li></ul>	<ul style="list-style-type: none"><li>23cm x 29cm x 15cm</li><li>32 character backlit LCD screen</li></ul>	<ul style="list-style-type: none"><li>Simple "Yes/No" operation</li><li>Printed results in under 25 seconds</li><li>Easily output data to an external database</li></ul>	<ul style="list-style-type: none"><li>Fully sterilisable fluid pathways</li><li>Easily change the electrode membrane, calibrate and change printer paper</li></ul>

## Application Areas

Area	Example Topics
Clinical Pathology	Researching sepsis causes, progression and processes
Sports Science	Using blood lactate levels as a marker for training intensity in a wide variety of sports Studying the effects of exercise on the body Studying the effectiveness of post exercise recovery aids
Agricultural & Veterinary	Analysing the effects of conditions and environment on physical performance In diagnosing cavitory effusions
Biotechnology &	Process control in biotechnology (production of lactic acid)
Pharmaceutical Analyses	Developing drugs for sepsis
Food & Beverage Analyses	As a marker for spoilage in eggs, milk, tinned fruits and vegetables Monitoring malolactic fermentation in wine (Oenology) Improving the flavour and stability of foods

## Reagents, Kits & Standards

We also offer a range of highly effective reagents, kits and standards developed for use with the LM5

Order Code	Description
GMRD-090	Lactate II reagent kit, 100 cycles, incl. 8.0mmol/L standard
GMRD-093	Lactate II reagent kit, 250 cycles, incl. 8.0mmol/L standard
GMRD-092	Lactate II reagent kit, 1000 cycles, incl. 8.0mmol/L standard
GMRD-100	Lactate II reagent kit, 100 cycles, with lysing buffer & standard
GMRD-103	Lactate II reagent kit, 250 cycles, with lysing buffer & standard
GMRD-102	Lactate II reagent kit, 1000 cycles, with lysing buffer & standard
GMRD-074A	Lactate Quality Control Serum, 4 x 0.5ml
GMRD-078	Lactate Standard, 3.0mmol/L, 25ml
GMRD-079	Lactate Standard, 5.0mmol/L, 25ml
GMRD-092C	Lactate Standard, 8.0mmol/L, 25ml

You can view the full list of Analox LM5 citations at [analox.com/lm5citations/](http://analox.com/lm5citations/)

### Our Customers Say...

Robert A. Robergs, Professor of Exercise Physiology & Biochemistry, Queensland University of Technology, on our lactate analyser:

*"I have always found this analyser to be cost effective, time efficient and irreplaceable in circumstances where immediate blood lactate results are needed...This instrument should be in every exercise, sports and basic science physiologist's laboratory arsenal of equipment."*