

Blood Sciences Laboratory
Ipswich Hospital
Heath Road
SUFFOLK
IP4 5PD

North East Essex and Suffolk Pathology Services

Re: Implementation of New Lactate Dehydrogenase (LD) Method

14 August 2020

Dear Colleagues, Clinicians and Healthcare Professionals,

In September 2020, we will be moving over to a new Lactate Dehydrogenase (LD) method that is traceable to the IFCC primary reference measurement procedure. Details of these changes are listed below.

The current LD method is not traceable to a higher order reference measurement procedure. The current LD reference interval is 240 – 480 U/L.

The new LD method has been standardised against the IFCC formulation (Clinical Chemical Lab Med 2002; **40**: 643-8), and has been optimised for the LD-1 isoenzyme.

The new reference intervals will be:

| | |
|-------------------|---------------|
| Females | 135 – 214 U/L |
| Males | 135 – 225 U/L |
| Children (2-15y) | 120 – 300 U/L |
| New-borns (4-20d) | 225 – 600 U/L |

There will be a period of dual reporting until the current assay reagent is no longer available. Please take the time to familiarise yourself with the new reference intervals, particularly in patients with regular LD testing.

Please do not hesitate to contact if you have any questions or would like any further information about the change.

Yours faithfully

Dr Catherine Street BSc MSc PhD FRCPATH EuSpLM
Consultant Clinical Biochemist and Director of Pathology
01206 748312

Sophie Hepburn BSc MSc FRCPATH EuSpLM
Consultant Clinical Biochemist
01473 703703