



D-3-HYDROXYBUTYRATE

D-3 Hydroxybutyrate

D-3-Hydroxybutyrate is a niche product from Randox used in diabetes complications monitoring. Testing for D-3-Hydroxybutyrate (Ranbut) can aid in the diagnosis of ketosis which is particularly important in diabetic ketoacidosis.

Diabetic Ketoacidosis is a serious complication of diabetes occurring when blood sugar levels are consistently high and insulin levels are severely low. Due to the lack of glucose entering the cells the body begins to use fat stores as an alternative source of energy. Levels of ketone bodies in the blood are elevated (ketosis) when synthesis exceeds breakdown. Very high levels of ketosis can lead to diabetic ketoacidosis. Symptoms include nausea, vomiting and abdominal pain and can even lead to a coma or death.

As D-3-Hydroxybutyrate is the most abundant ketone produced during ketosis, the measurement of this analyte is essential.

Features of Randox D-3-Hydroxybutyrate

- A niche product from Randox – meaning we are of the only manufacturers of this product in an automated format
- Superior methodology – when compared to other commercially available ketone detection tests.
- Wide measuring range – 0.1-5.75mmol/l comfortably detecting abnormal levels of D-3Hydroxybutyrate in a sample
- Standard supplied with the kit – simplifying the ordering process
- Suitable for use in serum – reducing the risk of false negatives. Can also be used with heparinised plasma or EDTA plasma.
- Lyophilised reagents – for maximum stability

Useful links

[Download our Reagents Brochure](#) for more information on a wide range of clinical assays from Randox.

[Contact us via our enquiry form.](#)

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