PYRUVATE; PYRUVIC ACID,
WHOLE BLOOD
(Spectrophotometry) mg/dL (0.37 – 0.88)

Note: 1. This assay is of diagnostic value only in cases when Lactic acid is measured and L: P ratio is established in the same specimen

2. Results should be clinically correlated as individual / biological variations can affect the test results

3. Genetic counseling available with prior appointment at Department of Genetics,
National Reference Lab, New Delhi

Comments
Pyruvic acid is an intermediate metabolite which plays an important role in linking carbohydrate and amino acid metabolism to TCA cycle & mitochondrial respiratory chain complex. Though it is not diagnostic by itself, but analysis with lactate levels have a diagnostic value in Inborn errors of metabolism. This test is useful in directing attention towards a possible mitochondrial disorder in cases with predominantly neurological dysfunction and normal blood lactate levels.