

Enzolve

engineered enzymes for tomorrow's healthcare

NeoScreenPak



Single Platform for Screening Amino Acid and Other Enzyme Deficiency Disorders

Amino Acid Disorders

1. Phenylketonuria
2. Maple Syrup Urine Disease
3. Homocystinuria
4. Tyrosinaemia Type-I

Other Enzyme Disorders

5. Galactosaemia (2 tests: Total-Gal & G1PUT)
6. Glucose-6-Phosphate Dehydrogenase Deficiency
7. Biotinidase Deficiency

*The PKU test has arrived!
Others are coming soon.*



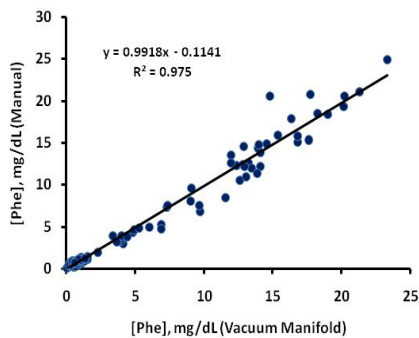
Phenylketonuria (PKU) Screening Kit

The first test of the NeoScreenPak test-package

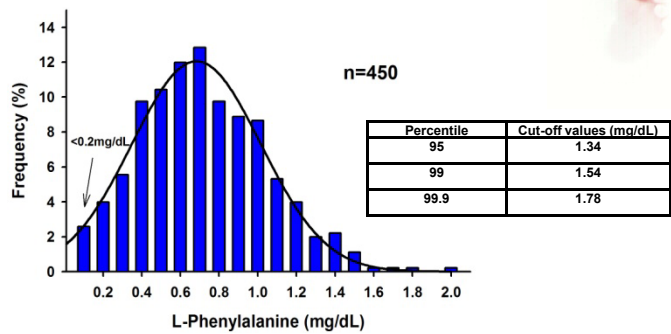
Advantages

- Simple - Single-step test
- Stable - Shelf-life of more than 2 years
- Sensitive - Minimum detection level less than 0.2 mg/dL
- Specific - Cross-reactivity less than 2%
- Fast - 100% conversion of Phe in less than 10 min
- Cost effective - Inexpensive to set up and operate
- Approved - CE marked
- Accurate - See below

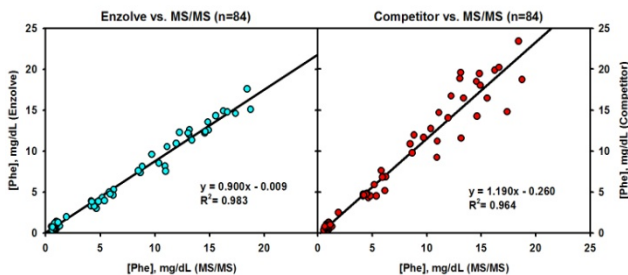
The best performing enzymatic/colorimetric test



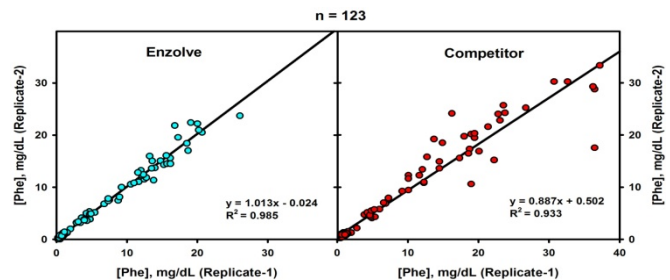
Comparison of the results obtained with Enzolve kit using manual or vacuum manifold transfer of DBS extracts



Distribution of phenylalanine level in blood of healthy population with its Gaussian fit and percentile cut-off values



Blood phenylalanine determined by two enzymatic methods (Enzolve and competitor) in comparison with the results obtained by tandem mass spectrometry (MS/MS).



Agreement between replicates obtained with Enzolve method and competitor product