Enzolve

engineered enzymes for tomorrow's healthcare

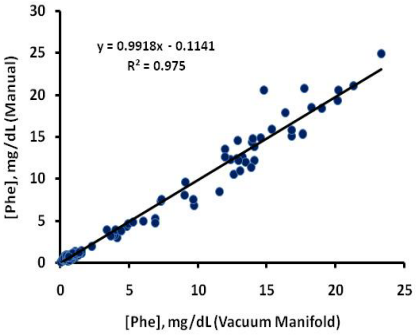
Phenylketonuria (PKU) Screening Kit

The first test of the *NeoScreenPak* test-package

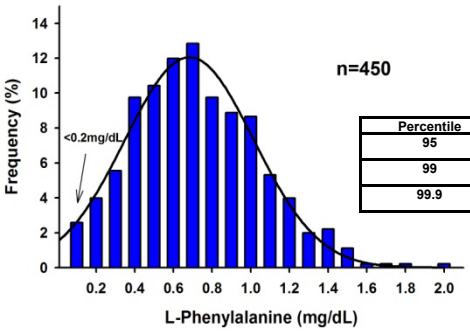
Advantages

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

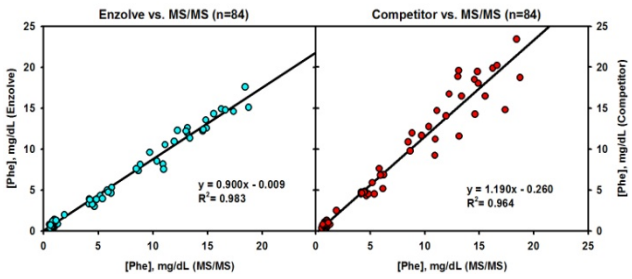


Comparison of the results obtained with Enzolve kit using manual or vacuum manifold transfer of DBS extracts

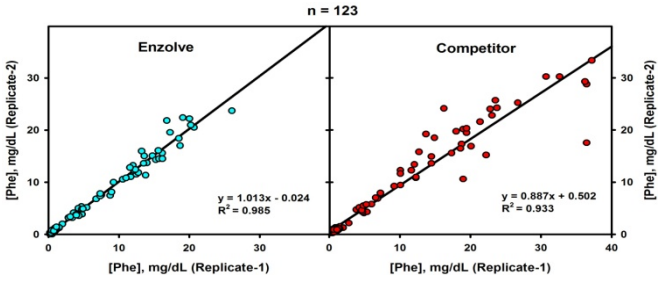


Percentile	Cut-off values (mg/dL)
95	1.34
99	1.54
99.9	1.78

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