Phenylketonuria in Newborns: NEONATAL PKU Screening Assay

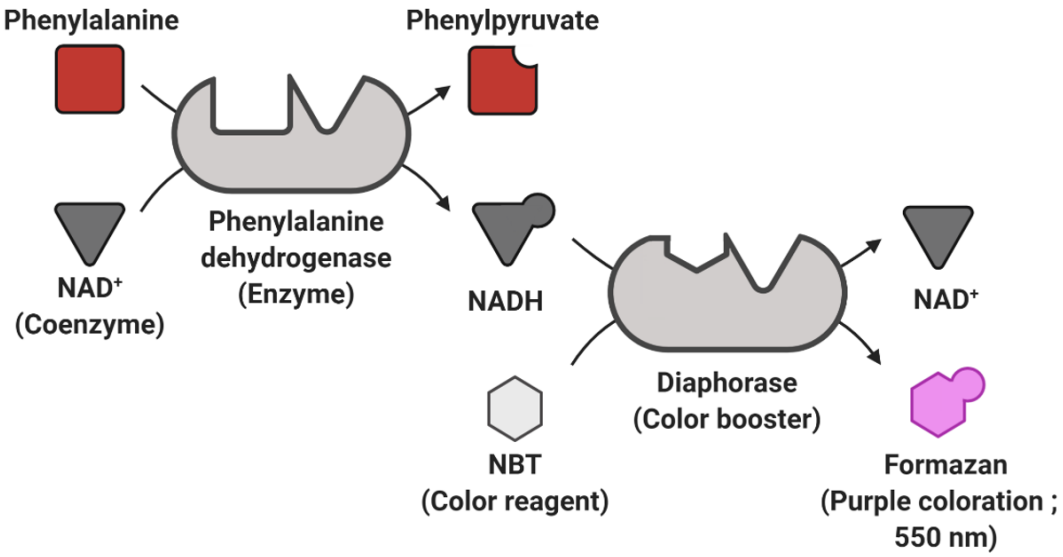
NEONATAL PKU Screening Assay is a quantitative enzyme assay used in **phenylketonuria** (PKU) newborn screening. It's a PKU test for newborns that quantifies an abnormal concentration of **phenylalanine** in dried blood samples on 903® or 226 blotting paper.

Parameter Screened

- Phenylalanine

Test Principle

In the first reaction of the NEONATAL PKU Screening Assay, an enzyme, **phenylalanine** dehydrogenase, converts phenylalanine contained in the sample to phenylpyruvate and NADH. Thereafter, the presence of NADH is quantified by colorimetry using tetrazolium salt. The measured absorbance intensity is then proportional to the phenylalanine concentration in the sample.



Product Benefits

Results in 1 hour (on automation) or 40 minutes of incubation for manual procedure

Three different packagings enabling manual or automated use

Curves and controls available on blotting paper

European production according to ISO quality criteria and CE marking

Calibration against CDC certified controls

Protocol identical to the NEONATAL MSUD Screening Assay and NEONATAL Total Galactose Screening Assay kit

Illness

The kit is for phenylketonuria (PKU) newborn screening

General Info

Product code

- E-IW-288C for 288 determinations
- E-IW-576C for 576 determinations
- E-IW-1920C for 1920 determinations