

Phenylmercapturic acid, S - PMA

General:

S-Phenylmercapturic acid is a metabolite of benzene and an important urinary biomarker. Benzene products are diffuse atmospheric micropollutants with known carcinogenic activity on humans. The investigation of urinary S-PMA, compared with t,t-muconic acid (t,t-MA) allows biomonitoring of occupational benzene toxicants. S-PMA concentrations in urine correlate with time weighted average benzene concentrations in the breathing zone air of workers, i.e. in oil plants, petrol stations and shoe factories. See also **Muconic acid**.

Indication: monitoring of benzene toxicants in air

Material: 10 ml urine

TAT: 2 weeks*

Method: RECH

Unit: $\mu\text{g/g}$ crea.

Ref.Range: $<0.50 \mu\text{g/g}$ creatinine - non-smokers

$<5.00 \mu\text{g/g}$ creatinine - smokers

For complete list of laboratory test offered at Freiburg Medical Laboratory, please visit <http://www.fml-dubai.com/parameter-listings/>