

# Alpha galactosidase

## General:

$\alpha$ -Galactosidase (also Melibidase) is the enzyme which catalyzes the hydrolysis of the glycosidic linkage of  $\alpha$ -Galactopyranosides. The enzyme is found in lysosomes. If the enzyme levels are decreased, glycosphingolipids accumulate in lysosomes. This could result in cell death. Genetically, deficiency of  $\alpha$ -galactosidase is defined by an X-linked recessive disorder (Fabry's disease). It belongs to the group of lysosomal storage diseases.

The following tests are available:

- **alpha-Galactosidase in blood**

Material: 2 ml serum, **frozen**

TAT: 7-10 days\*

Method: photometry

Units: nmol/h/ml

Ref.-range: 3.4 - 13.0

- **alpha-Galactosidase in leukocytes**

Material: dried blood spots on filter card

TAT: 10-14 days\*

Method: enzymatic test

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