Arylsulfatase A

General:

Arylsulfatase A (AA) degrades sulfatide. Decreased or absent AA activity leads to accumulation of sulfatide and results in metachromatic leukodystrophy.

Clinical symptoms: disturbed development caused by demyelinization of neurons, reduced muscle reflexes. Loss of acquired skills, dysarthria up to loss of speech (aphasia), bulbar and pseudobulbar paralysis as well as blindness and communication loss are the consequences.

Diagnosis: in serum or urine the activity of the arylsulfatase A is strongly reduced or not detectable.

- **Arylsulfatase A in serum**

Indication:	Metachromatic leukodystrophy
Material:	3 ml serum, **Frozen**
TAT:	7-10 days*
Method:	photometric
Units:	nmol/h/ml
Ref.- range:	3.6 - 9.4
Note:	**Please note the serum has to be sent Frozen.**

- **Arylsulfatase A in urine**

Indication:	Metachromatic leukodystrophy
Material:	10 ml urine, pH 6-7
TAT:	7-10 days*
Method:	photometric
Units:	nmol/h/ml
Ref.- range:	41 - 178
Note:	arylsulfatase A activity can occasionally be false negative in urine depending on acidic/alkaline conditions (pH 10)

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

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