

Yo Antibodies

General:

Anti-Yo antibodies, synonym anti-PC1-A, directed to protein antigens of 34 and 62 kDa, are found exclusively in the cytoplasm of Purkinje cells. The antigen for anti-Yo antibodies is thought to be CD34, which is expressed on epithelial tumors as well as on neuronal tissues.

Yo antigens present in the tumor initiate an immune reaction and cause the release of anti-Yo antibodies that identify and destroy the Purkinje cells, causing the clinical picture of Paraneoplastic Cerebellar Degeneration (PCD). The underlying malignancy is breast or gynecological in more than 85% of cases.

The following tests are available:

- **Yo Abs. in Blood**

Indication: subacute cerebellar degeneration, paraneoplastic with mamma-Ca

Material: 1 ml serum

TAT: 7-10 days*

Method: IFT

Units: Titer

Ref.- range: <1:100

- **Yo Abs. in Blood, Blot**

Material: 1 ml serum

TAT: 7-10 days*

Method: Blot

Ref.- range: see report

- **Yo Abs. in CSF**

Material: 0.5 ml CSF

TAT: 7-10 days*

Method: IFT

Ref.- range: see report

- **Yo Abs. in CSF, Blot (Purkinje cell abs)**

Material: 0.5 ml CSF

TAT: 7-10 days*

Method: Blot

Ref.- range: see report

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