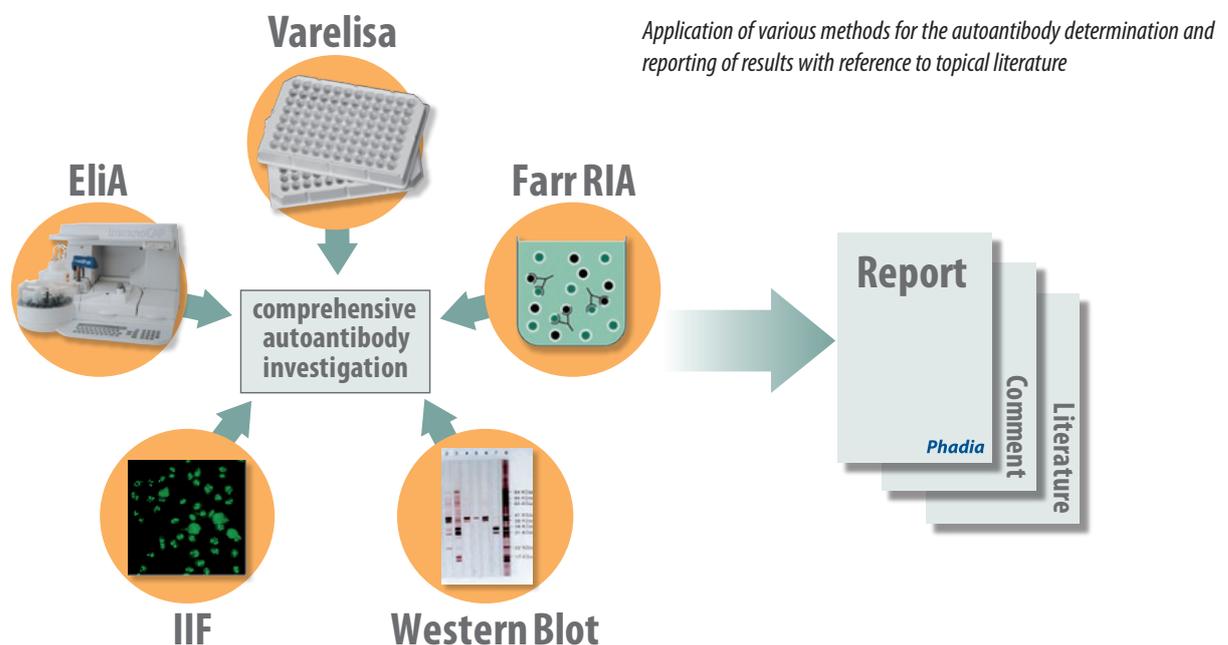


Phadia Serum Service

The application laboratory for autoimmune diagnostics

Phadia has established a service laboratory for autoimmunity customers. It is primarily dedicated to provide support in accurately and comprehensively assessing the autoantibody constellations of particular serum samples and their diagnostic significance. However, a definite clinical diagnosis must not be based on serological results, but should only be made by the physician after evaluation of all clinical and laboratory findings. This serum service comprises testing and evaluation of special sera for purposes of: **1. Confirmation (detailed analysis)**, **2. Service** and **3. Clinical trials**.

1. Confirmation



The determination of autoantibodies represents a valuable mosaic stone in the diagnosis of autoimmune disorders. Phadia develops, manufactures and distributes ELISA and FEIA test systems for the determination of a variety of autoantibody specificities which are of high diagnostic value due to their close clinical association with particular autoimmune diseases. The assays manufactured by Phadia are of excellent specificity, but some samples tested in a routine laboratory require further analysis.

To enable a correct and precise assessment of the autoantibody profile of serum samples an overall evaluation of additional supportive data is sometimes necessary. For this purpose Phadia offers a comprehensive investigation service for serum samples to all our autoimmunity customers. This service includes:

- **Investigation of the respective serum by various methods** (see table on the back)
- **Comment on the data obtained by our internal investigation**
- **On request, a literature package about the issue of interest is provided.**

Methods available for investigation of serum samples

Parameters	methods available
Antinuclear Antibodies (ANA)	EliA, Varelisa, determination of ANA subspecificities (Ro52 / Ro60, SmBB' / SmD, RNP-A / RNP-C / RNP70), IFT (HEp-2), Western Blot (nuclear and cytoplasmic extract from HeLa cells)
dsDNA	EliA, Varelisa, IFT (HEp-2, Crithidia luciliae), Farr RIA
AMA (M2)	Varelisa, IFA (rat kidney), Western Blot (nuclear and cytoplasmic extract from HeLa cells)
Tissue transglutaminase (tTG) IgA, IgG	EliA Celikey, Varelisa Celikey, IFA Endomysium (oesophagus)
MPO / PR3 ANCA	EliA, Varelisa, IFT (Ethanol / Formalin fixed granulocytes)
Cardiolipin	EliA, Varelisa
β2-Glycoprotein 1	EliA, Varelisa
TG / TPO	Varelisa, ImmunoCAP

2. Service

To make the determination of rare autoantibody parameters more advantageous and economic for our customers, Phadia offers the determination of seldomly requested autoantibody parameters. Phadia customers may send samples to our service laboratory for the determination of special autoantibody parameters otherwise too costly and time-consuming to complete in the customer's laboratory.

3. Clinical trials

Customers who are interested in a cooperation with Phadia (e.g. setting up a clinical trial) may send serum samples to our laboratory. The conditions and details of the collaboration should be discussed with the responsible Product Manager from our Phadia Market Company prior to starting a trial.

General conditions

■ Material

Investigational material: Serum / plasma. Please send at least 250 µl sample and enclose a short note describing the reason for the requested serum investigation.

■ Duration

Testing and evaluation of samples is usually completed within five days.

■ Shipping logistics

Appropriate packaging (samples vials). Please send the samples by express to the following address:

Phadia GmbH, Zentraler Sereneingang, Munzinger Str. 7, D-79111 Freiburg, Germany

Phadia

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