

Phadia Development Business

*Customized products
for industrial applications*

Phadia



How do we meet your needs?

If your company

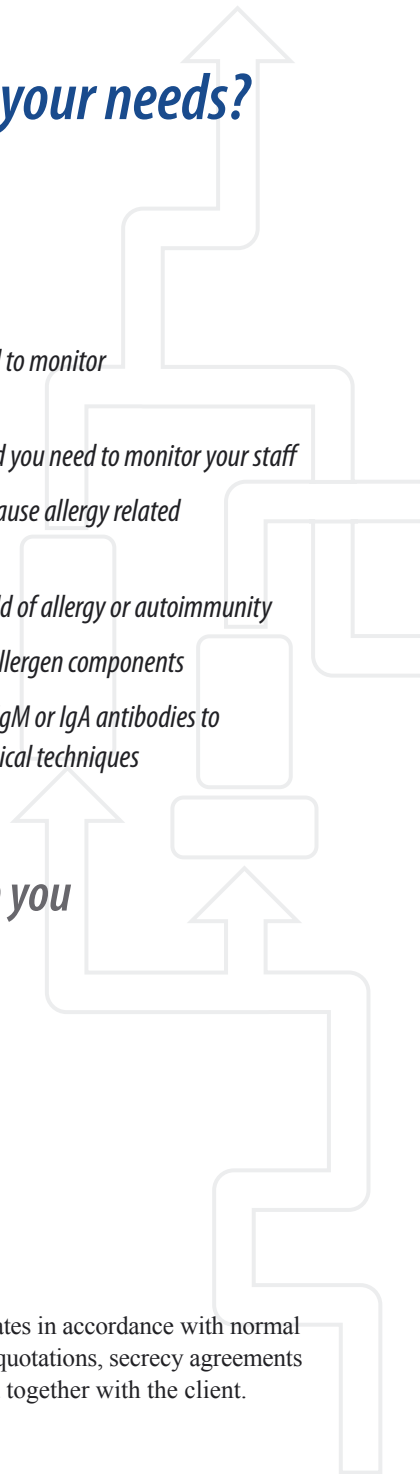
- *Develops new drugs and you need to monitor immunological responses*
- *Produces or develops enzymes and you need to monitor your staff*
- *Produces substances which may cause allergy related occupational problems*
- *Performs clinical studies in the field of allergy or autoimmunity*
- *Needs large amounts of purified allergen components*
- *Wants to measure IgE, IgG, IgG4, IgM or IgA antibodies to allergens/antigens by immunological techniques*

Then Phadia can help you

- *Reduce the time required*
- *Reduce the risk involved*
- *Minimize test monitoring*

Commercial terms

Phadia Development Business operates in accordance with normal industrial practices, including clear quotations, secrecy agreements and, if desired, contracts developed together with the client.



Phadia Development Business (PDB)

Customized products to meet the specific needs of your company

Phadia has over 30 years experience of *in vitro* testing of allergy and autoimmune diseases.

ImmunoCAP® is the only system optimized for the high requirements of IgE antibody testing. Other tests based on the same technology include Specific IgA, Specific IgG, Specific IgG4, Specific IgM and specific markers for asthma and inflammation (ECP and Tryptase).

Based on our solid experience Phadia Development Business develops customized applications using our technologies and products to meet the specific needs of our industrial customers.

Current PDB customer applications include, among others:

- Performing IgE antibody analyses on personnel working with enzymes. More than 100 different enzymes coupled to ImmunoCAP between 1991 and 2007.
- Special allergen components developed and coupled to ImmunoCAP. Test service in clinical trials measuring IgE, IgG and IgG4 antibodies.
- Due to regulatory requirements, a company manufacturing a drug investigates if some contaminants of the drug may cause increasing levels of IgE and IgG antibodies in treated patients.

- Test service measuring IgE, IgG and IgA antibodies in clinical trials.
- Process development for fermentation, downstream purification, and scale-up of recombinant enzymes which are used to manufacture bioengineered pharmaceutical drugs.

PDB products and services

I. Customized *in vitro* assays

For measuring IgE, IgG, IgG4, IgM and IgA antibodies and other analytes in serum, by means of rapid testing, protein arrays or fully quantitative and automated laboratory systems

- ImmunoCAP Lab system
- EliA™
- Lateral Flow Technology
- Protein Array Technology
- ELISA

II. Purification and production of proteins

III. Biochemical characterization of proteins

IV. Test analysis service

- at Phadia's service laboratory in Denmark
- partnerships with commercial laboratories

All work is performed in compliance with ISO 13485 and QSR.

Company facts

Phadia develops, manufactures and markets complete blood test systems to support the clinical diagnosis and monitoring of allergy and autoimmune diseases.

Phadia has

- 75 % market share in *in vitro* allergy testing worldwide
- 42 % market share in autoimmune disease testing in Europe
- 21 wholly owned market companies world wide
- 1 200 employees
- and serves 3 000 laboratories in 60 countries

Phadia's headquarters are located in Uppsala, Sweden. Our centers of excellence in Allergy and Autoimmunity are located in Uppsala, Sweden and Freiburg, Germany, respectively. Allergon, located in Helsingborg, Sweden, is world leading in the area of collecting and producing allergen raw materials.

Phadia Technologies today

We build our products on technologies such as ImmunoCAP®, EliA™, ImmunoCAP® Rapid and ImmunoCAP ISAC®.

Please contact your local Phadia office or pdb@phadia.com

Phadia

Phadia AB. P O Box 6460, SE-751 37 Uppsala, Sweden
Tel +46 18 16 50 00. www.phadia.com

Head office Sweden +46 18 16 50 00 Austria +43 1 270 20 20 Belgium +32 2 749 55 15 Brazil +55 11 3345 5050 Denmark +45 7023 3306 Finland +358 9 8520 2560 France +33 1 61 37 34 30 Germany +49 761 47 8050 Great Britain/Ireland +44 1 908 84 70 34 Italy +39 02 641 634 11 Japan +81 3 5365 8332 Netherlands +31 30 602 3700 Norway +47 21 67 32 80 Portugal +351 21 423 5350 South Africa +27 11 793 5337 Spain +34 935 765 800 Sweden +46 18 16 50 00 Switzerland +41 43 343 4050 Taiwan +886 2 2516 0925 United States +1 800 346 4364 Other countries +46 18 16 56 16