

# SERVICES



## Customized Polyclonal Avian Antibody Production

Our service suitable  
to your requirements.



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# Customized Polyclonal Avian Antibody Production

DEVELOPMENT, PRODUCTION AND PURIFICATION OF POLYCLONAL IGY ANTIBODIES IN LAYING HENS

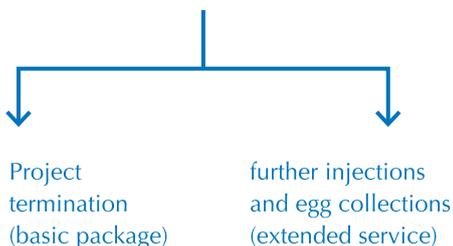


## Advantages and properties of IgY antibodies

- Recognition of highly conserved mammalian proteins due to higher phylogenetic distance between birds and mammals
- No binding to mammalian FC-receptors or rheumatoid factors thus minimizing potential false positive reactions in immunoassays
- No complement activation
- No binding to Protein A or G
- High antibody recovery from egg yolk (about 40 g IgY/year/hen)

## Procedere

1. Preimmune status  
Preparation of 1 egg yolk
2. Basic injection
3. Booster injections (three times for Basic package)
4. Collection of eggs
5. Preparation of IgY from egg yolk
6. ELISA titer testing of preimmune Status vs. hyperimmune status
7. Shipment of IgY-preparation
8. Customer testing and decision for



## Time schedule



Week 1:	Preimmune status Basic injection
Week 4-8:	Booster injections
Week 9-10:	Egg collection IgY preparation
Week 11-12:	ELISA titer testing Shipment of IgY

## Quality control

Comparative titration of IgY from preimmune vs. hyperimmune status eggs in a standardized solid phase ELISA with immobilized target antigen.

## Test example

