

# GENETIC NEWS



## Package deals for genetic testing -

available until 30.04.2014

We are pleased to present you with a variety of genetic testing combinations as a special promotional offer. We have put together breed-specific genetic test combinations - based on the needs of our customers over the past few years. The packages contain only genetic tests that are sensible for the various breeds, since the examined gene variants have been verifiably related to disease. Therefore, our packages are not a random assortment of genetic tests, but rather sensible combinations dependent on the breed. They are put together as follows:



### Parson Russell Terrier

LOA + SCA € 76,73  
A savings of 23%<sup>1)</sup>

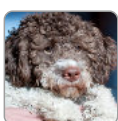
LOA + SCA + PLL € 97,07  
A savings of 35%<sup>1)</sup>



### Australian Shepherd

CEA\* (Optigen) + Cata-  
ract (HSF4) + MDR\* € 190,41  
A savings of 18%<sup>1)</sup>

Optional prcd-PRA\* can  
be purchased in addition



### Lagotto Romagnolo

Juvenile Epilepsy +  
Furnishing € 76,73  
A savings of 34%<sup>1)</sup>

**Australian Shepherd**, Bobtail,  
Border Collie, German Shepherd,  
Elo, short- and longhaired Collie,  
Longhaired Whippet, McNab,  
Shetland Sheepdog, Silken  
Windhound, Waeller and White  
Swiss Shepherd

MDR\* + DM € 76,73  
A savings of 34%<sup>1)</sup>

MDR\* + DM + MH  
+ Dilution\* € 115,55  
A savings of 46%<sup>1)</sup>

MDR\* + DM + MH  
+ Dilution\* + HUU € 132,19  
A savings of 50%<sup>1)</sup>

### For all breeds

MH + Dilution\* € 76,73  
A savings of 23%<sup>1)</sup>



### Labrador Retriever

prcd-PRA\* (Optigen) +  
EIC\* + HNPk\* +  
DNA-Profile (ISAG 2006) € 244,97  
A savings of 25%<sup>1)</sup>

\*patented / licensed tests  
<sup>1)</sup> compared to individual orders

The prices are exclusive VAT and are  
valid until 30.04.2014 (date of  
sample arrival). To order any of these  
packages, please use the attached  
lab order form. This form can also be  
found on our homepage,  
www.laboklin.com



**Ataxia in the Jack Russell Terrier and Parson Russell Terrier**

The hereditary ataxia in Jack Russell Terriers and Parson Russell Terriers has been extensively studied in recent years by various research groups, making it possible to investigate the genetic causes of the various forms. At present there are three forms of ataxia each of which are caused by different mutations.

**„Late Onset Ataxia“ (LOA)**

One form is "late onset ataxia" (LOA), which can occur in Parson Russell Terriers. An occurrence of LOA in Jack Russell Terriers has neither been confirmed nor disqualified. The first symptoms to be observed are coordination problems of the musculoskeletal system and balance difficulties. The disease worsens in the months following onset, usually so much so that, ultimately, it ends in complete immobility.

**"Spinocerebellar Ataxia" (SCA)**

In "spinocerebellar ataxia" (SCA) similar symptoms as in LOA manifest, but according to experts the course of disease is more severe. Characteristic to SCA are muscle twitches or stiffness as well. Affected dogs usually do not reach three years of age.

Both forms usually occur in dogs between 3 and 6 months of age and worsen in severity in the months to follow.

**„Early Onset Ataxia“ (EOA)**

A third form of ataxia, which occurs already after a few weeks of age, is called "early onset ataxia" (EOA) accordingly, and manifests mainly as a lack of coordination of head movements and front paws. The genetic cause of this form is presently not known.

The above mentioned genetically related forms of ataxia are inherited autosomal recessively. Therefore,

only dogs that obtain the defective gene from both the sire and dam will become ill.

Through genetic testing, it is possible to identify LOA in Parson Russell Terriers and SCA in Parson and Jack Russell Terriers. Using selective breeding, the birth of affected dogs can be avoided.

**Newsletter Archive**

This and all our previous newsletters can be found on our website under the rubric "genetics" as pdf files for viewing and/or printing.



**Any questions?**

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Download submission forms:  
[www.laboklin.com](http://www.laboklin.com), then go to Genetic - Lab order