

Customer: Jan Novák, Dlouhá 1, 30000 Plzeň, Czech Republic

Sample:

Sample: 08-12349

Date received: 01.01.2008

Sample type: feather

Information provided by the customer

Name: Zobáček CZ123456 DEMO

Latinname: *Nymphicus hollandicus*

Species: Korela chocholátá

Ring number: CZ123456

Sex: male

Date of sampling: 01.01.2008

Result: APV (BFD) negative

Explanation

The presence or absence of viral-DNA (APV – Avian polyomavirus known also as BFD (Budgerigar fledgling disease) and PBF – Psittacine Beak and Feather Disease (circovirus)) in the sample was tested by duplex PCR analysis.

PBFD is generally characterized by dystrophy and loss of feathers. The feather dystrophy is caused by necrosis and hyperplasia of epidermal cells. Beak deformations are not always present; it probably depends on the bird kind and other factors. These symptoms themselves do not result in death of the bird. The circovirus impairs the immune system of the affected bird (it has immune-suppressive effect) and the death is caused by secondary infections.

The course of polyomavirus infection depends on kind and age of the host (bird) and other factors that has not been clarified so far. Almost all APV infections in adult birds are asymptomatic. A combined APV and PBF infection may occur when a bird becomes infected with APV as a result of immunosuppressive effect of PBF-infection. In this case, even adult birds show clinical signs of APV- infection and the bird dies.

There are no medication therapies for these diseases. It is important to adhere to preventive actions at the level of breeding organisation, hygiene and preventive testing of apparently healthy birds. In case of a positive result, we recommend to separated the affected bird from other birds and collaborate with the vet. If a sample taken from a symptomless bird is tested positive for PBF, we recommend repeating the test after 2 to 3 months.

Method: SOP17, multiplex PCR

Date of issue: 06.01.2008

Date of testing: 12.06.2008 - 06.01.2008

Approved by: Mgr. Martina Šafrová, Laboratory Manager



Genomia s.r.o, Republikánská 6, 31200 Plzeň, Czech Republic
www.genomia.cz, laborator@genomia.cz, tel: +420 373 749 999

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