



# FAST Avian Sexing Test

A new rapid molecular method for gender identification of monomorphic birds based on PCR technology



## FAST Avian Sexing Test



In many bird species males and females have very similar phenotypic traits (sexual monomorphism) and cannot be discriminated on the basis of external characteristics. In nestlings it is even more difficult than in the adults to distinguish between the two sexes.

Traditional methods for gender identification as the observation of sex-specific behaviour, laparoscopy, laparotomy are time consuming, expensive, and, in some cases invasive and dangerous.

The FAST Avian Sexing PCR Kit is a molecular method based on the examination of sexual chromosomes starting from samples of feathers and is the best method and safest choice for avian breeders and veterinarians.

In birds, unlike mammals, females are the heterogametic sex i.e. have 2 different sex chromosomes (ZW), while males are the homogametic sex (ZZ). The most universal tag for sex typing is the CHD gene encoding the Chromo-Helicase DNA binding protein.

The FAST Avian Sexing PCR Kit allows to isolate birds DNA starting from samples of feathers and analyze DNA by Polymerase Chain reaction (PCR) using a ready to use PCR mix containing specific primers pair for amplification of CHD-W and CHD-Z genes.

### Field of application

- Gender identification of monomorphic birds of any age, any time of the year
- The test is applicable to a large number of species

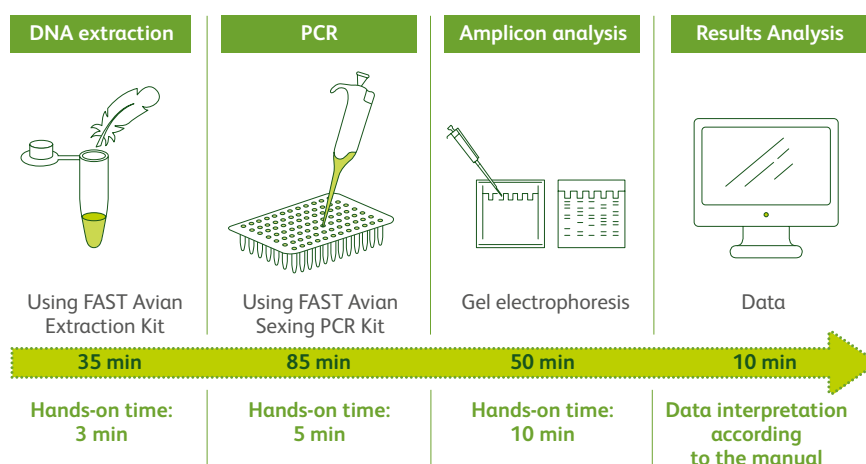
**Larger number of bird species**  
The test is constantly updated

**Ready to use** Minimal hands-on time

**Fast** Rapid method for sex identification - less than 3 hours

**Convenience** All reagents and solutions are included and ready to use

### Workflow



### Ordering information

Code	Product	Size
MBK0101	FAST Avian Extraction Kit	48 extractions
MBK0102	FAST Avian Sexing PCR Kit	48 tests

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**KIT UPDATE COMING SOON**

- Increased Shelf - Life
- Stable at RT
- Lyophilized