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DIAGNOSTICS & ASSAYS

FAST AVIAN EXTRACTION KIT

MBK0101 ● EXTRACTION KIT

Identifying sex in young, monomorphic birds is a major challenge in breeding and conservation programs. The FAST Avian Extraction Kit provides a simple, efficient method for isolating high-quality DNA from feather samples. The protocol combines enzymatic digestion and resin-based purification to ensure effective lysis and removal of contaminants (e.g., nucleases/heavy metals). The extracted DNA is then utilized by the ready-to-use FAST Avian Sexing PCR Kit

Product highlights

FAST AND EFFICIENT EXTRACTION

DNA extraction from feather samples in less than 3 hours

READY TO USE

All reagents and solutions pre-formulated for immediate use

CONSISTENT RESULTS

High-quality DNA suitable for downstream PCR applications

Intended use

- Extraction of genomic DNA from feather samples
- Preparation of DNA for avian molecular sexing assays
- Application in veterinary, breeding, and conservation programs

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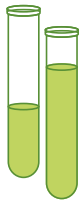
Workflow



~3 HOURS

1 **Sample preparation**
1. Cut and clean the feather calamus

2 **Lysis setup**
2. Place calamus in tube with Lysis Buffer, add DTT and Proteinase K

3 **Incubation**
3. Incubate at 56 °C for 30 min with mixing or vortexing

4 **Centrifugation**
4. Centrifuge 2 min at 13,000 rpm and collect supernatant

Total analysis time: ~3 hours

Product Features

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

Technical specifications

TEST METHOD	Enzymatic lysis and resin-based purification
FORMAT	48 extractions
STORAGE TEMPERATURE	+2 to +8°C
SPECIES SAMPLE	Monomorphic bird species
SAMPLE TYPE	Feathers
ASSAY TURNAROUND TIME	< 3 hours

ORDERING INFORMATION

CODE	SIZE
MBK0101	48 EXTRACTIONS

For more information or to place an order, contact us at **info@diatheva.com**

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