

Recommended Procedure for DNA Extraction and Documentation

Preparation	
	In order to avoid contamination of the sample, special equipment must be used for the DNA extraction: Mandatory: 1. Disposable gloves 2. Sterile swab test 3. Tubes with ethanol for tissue remnants Advantageous: 1. Face mask 2. Tweezers
Extraction of the DNA	
  	1. Put on hygiene equipment before sampling. 2. Open the tube of the swab test and wipe the head of the swab over the point of impact so that the swab head is clearly tinged. Use water to extract dried blood. 3. If available, please also remove a dry feather with tweezers and place it in the tube. Trim the feather if necessary. 4. Insert the swab into the tube and close it. Store it without additional outer packaging or in a bag that allows moisture to pass through. 5. For tissue remnants, a cube with a side length of 1 to max. 2 mm is sufficient. Always transfer damp material such as tissue into a tube with ethanol and close it. 6. Label the tube with the date, time and aircraft identification. 7. Hand the swab test/tube over to the wildlife manager.

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Documentation and Dispatch	
	→ Send documentation to the DAVVL (see below)

The laboratory and the DAVVL need the following information for internal documentation:

VS Date	Time	Aircraft identification	Location*	Origin	Submitter
2026-05-15	15:25	D-NYGT	BRE	Bird strike	Bremen Airport
2026-05-20	9:43	D-PSDY	DTM	Bird found dead	Dortmund Airport

*For data protection reasons, the location may also be generalised.

- In the case of bird strike events, please enter "DNA analysis" in the "Comments" field of the DAVVL reporting form.
- Please send test tubes containing bird DNA to the DAVVL.
- The results of the DNA analyses are sent from the laboratory to the DAVVL, which forwards the information to the respective sender.
- After submitting the sample to the DAVVL, the results are available after about 6 weeks.

Supplier for swabs:

abf diagnostics GmbH
Gewerbepark 14
85402 Kranzberg

Phone: +49 8166 9986130
Email: info@abfdiagnostics.com
<https://abfdiagnostics.com/>

Product name: AM-Swab, Medium Length, Wooden Handle
Item number: AM.211

For the tissue remnants, please use pure ethanol (concentration 70% - 100%). The tube must be filled at least halfway!