

INTRODUCTION

Molecular Diagnostic Services (Pty) Ltd (SA) has as its focus the use of the most advanced technology to perform molecular and genetic analysis in the human and veterinary field. All tests are quality controlled and are highly accurate and sensitive. MDS offers molecular tests for a wide range of genetic markers and diseases including avian pathogens and DNA sexing.

Avian

Birds are susceptible to a number of viral and bacterial diseases. For effective management of these diseases in an aviary, it is beneficial to know whether new birds being introduced into the aviary are infected with viruses or are disease free. In many cases birds can appear clinically asymptomatic, but they could be carriers of viruses that could then spread to virus free birds.

The DNA sexing test is based on the fact that, as with humans, there is a sex linked chromosome in birds which can be analysed by genetic techniques to determine whether the bird is male or female. Our test is both sensitive and specific and can be performed from first day of hatching.



AVAILABLE TESTS

Avian tests offered:

Avian DNA Sexing (AS)
Avian Polyomavirus (APV)
Chlamydia psittaci (CP)
Pacheco Virus (PV)
Psittacine beak and Feather Disease Virus (PBFDV)
Pigeon circovirus (Pcirc)

Payment

Payment is required with the samples. Please make cheques out to Molecular Diagnostic Services (MDS UK).

We accept VISA, Master Card and American Express cards. Bank deposits and cheques are welcome.



Banking Details:

Bank account: HSBC
Account Name:
MOLECULAR DIAGNOSTIC SERVICES (MDS UK)
Account Number: 01288148
Bank Sort Code: 40-47-18



MOLECULAR DIAGNOSTIC SERVICES (MDS UK)

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POLLY-TEST™

AVIAN

LABORATORY TESTS



MOLECULAR DIAGNOSTIC SERVICES (MDS UK)

Website: www.mds.uk.net

COLLECTION KIT

It is possible to send blood, tissue or a feather for testing. However, our preferred sample is a drop of blood collected using our simple collection kits, as the samples are stable and the risk of contamination is reduced.

The sampling procedure is simple, non-invasive and can be performed at the site where the animal is located.

The kit consists of a safelock tube containing a strip of special paper and a sterile needle. Just a small drop of blood is necessary to perform the molecular tests. Multiple tests can be performed on the same sample.

Kits can be ordered directly from MDS; see attached price flyer.

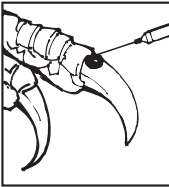
Advantages

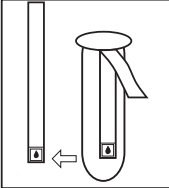
- No risk of trauma from anaesthesia or surgical complications.
- The bird does not have to be mature to be tested.
- The bird does not have to be transported as a sample can easily be taken by the owner.
- No special storage conditions are required once the sample has been taken.
- The test is rapid and results can be faxed or e-mailed within 48 hours of the MDS lab receiving the sample.
- A certificate may be requested.
- Possibility of more than one DNA test being performed on the same sample.



SAMPLE COLLECTION

- 1 Hold the bird comfortably so that you can access the bird's toe.

- 2  Remove the new sterile needle and prick the bird's toe just above the claw, not the claw itself. After a few seconds a visible drop of blood should appear. Fig 1

- 3  Open the lid of the small tube and remove the strip of white absorbent paper (always hold the part that is sticking out of the tube). Fig 2

- 4 Press the marked tip of the paper against the fresh drop of blood. As long as you can see a drop of blood on the paper, that is adequate.
- 5 Insert the paper into the tube, with blood first. Never touch the marked tip with your fingers! Place the needle into the same tube. Close the tube firmly.
- 6 Write the bird's name and ring number onto the tube's label.
- 7 Place the tubes and data sheet into an addressed padded envelope marked FRAGILE and post with payment.
- 8 Please post to MDS or arrange with MDS for courier collection.



RESULTS

Results

You will receive your results by fax, telephone or e-mail within two working days of MDS-SA laboratory receiving your samples from MDS UK. The results are given in a neat table format with our letterhead. **Certificates** for individual birds can be supplied on request.

New tests

We continuously develop new tests. Please access our Web Page or contact us for the latest diagnostic assays.

Disclaimer

- 1 In the event that MDS returns a verifiable erroneous result for a particular sample, MDS will reimburse the submitter only the amount paid to MDS to perform the test. In no event shall MDS be liable for the incidental, consequential, special or other damages of any nature even if MDS has been advised of the possibility of such damage.
- 2 Needles are inherently dangerous and because this product is used outside of our control, MDS will not be liable for any damage or injury caused by needles, the user accepting full responsibility for the use and subsequent disposal of the needles in the kit which are entirely at the user's risk.