

Sampling Plan

The basis of a successful diagnosis lies in a high quality sample collection. You can find information on this here in our sample collection plan.

**Diagnostiklabor
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General

Label the samples clearly with a legible and durable label. This is the only way we can clearly assign the result of the laboratory test to the animal or herd.

Store the samples refrigerated at 2-8°C until dispatch.

Ensure that the shipment or transport takes place in such a way that the contents (i.e. the sample) arrive at our laboratory unchanged and within 24 hours.

Please cool the samples during transport at appropriate outside temperatures.

Serology

For serological tests, 3ml of serum or 5-10 ml of whole blood are sufficient.

Bacteriology

The best samples for bacteriological examination come from body-warm, freshly selected animals from the target organs and, in the case of systemic diseases, from the bone marrow.

Regular, accompanying diagnostics increase the chances of isolating relevant pathological pathogens.

Samples from animal carcasses with signs of decomposition are unusable!

Always remove the swabs with sterile instruments and transfer them to suitable sample containers to prevent contamination with environmental germs. Swabs with transport medium are essential for the survival of fastidious and sensitive bacteria.

PCR

Please air dry the swabs for the molecular biological tests! This reduces the degradation activity of the bacteria and thus improves the PCR result.

Aluminium swabs with a small cotton tip are particularly suitable as swabs. These can usually be combined into pools of 5 for the examination. This in turn increases the informative value of the sample. The laboratory result then of course applies to the entire pool.

The submission of organs is possible and necessary for the subsequent cultivation of bacteria or viruses.

We have summarised which sample is suitable for which question in the table overleaf.

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PCR	Tracheal swab	Cloacal swab	Spleen	Liver	Kidney	Caecal tonsil/ Caecum
Avian Influenza (AI)	X	X				
Adenovirus		X		X		X
Avian Encephalitis (AE)		X				
Avian Metapneumovirus (aMPV)	X					
Chicken Astrovirus		X				
Chicken Anaemia Virus (CAV)			X	X	X	X
Coryza (Avibact. Paragallinarum)	X					
Infectious Bronchitis Virus (IBV)	X	X				
Infectious Laryngotracheitis (ILT)	X					
Mykloplasma gallisepticum (MG)	X	X				
Mykloplasma synoviae (MS)	X	X				
Newcastle Disease Virus (ND)	X	X				
Avian Reo Virus		X		X		X