

Certificate of Analysis



BIOCHEK, SMART VETERINARY DIAGNOSTICS

Pre-diluted Reference Control – Target titer ranges*

LOT

RF19



16 Nov 2022



Dec 2027

BioChek ELISA test	Titer range
ELISA AE	5000 – 8500
ELISA AI	2500 – 6000
ELISA ART	3000 - 6500
ELISA FAdV	3500 – 8000
ELISA CAV	See CoA for target value
ELISA IBD	4500 – 8500
ELISA IBV	2500 – 5500
ELISA ILT	3000 – 6500
ELISA Mg	2000 – 5000
ELISA Mg/Ms	2000 – 8600
ELISA Ms	1500 – 3500
ELISA NDV	6000 – 11000
ELISA NDV-F	See CoA for target value
ELISA REO	3500 – 6500
ELISA REV	2000 – 4000

Pre-diluted Reference Control

For use as a control in BioChek Poultry Antibody ELISAs

Instructions for use

REF

CR100

LOT

RF19



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Note:

*Titer range data has been formulated from multiple runs with different kit lots.
Please ensure this batch is included in your version of the BioChek software.

Product description

The Pre-diluted Reference Control can be used to confirm quantitative reproducibility of different test runs of the BioChek antibody detection ELISAs. The pre-diluted control is produced by BioChek (UK) Ltd. The reference control contains significant and known antibody levels against several major avian pathogens. In each BioChek test kit a Certificate of Analysis is provided, giving the actual value of control at Quality Control.

Contents

- Each vial contains 5 ml serum in a pre-diluted presentation. Store the vials at 2-8 °C / 36-46 °F until use.
- Instructions for use (this leaflet), including Certificate of Analysis (CoA) with target titers.

Precautions

- The chicken serum present in the Pre-Diluted Reference Control has been heat treated for 30 minutes at 56 °C / 133 °F to reduce the risk of possible (heat labile) infectious components. For extra safety handle all biological materials as potentially infectious.
- Treat all biological materials as potentially biohazardous. Wear gloves, safety glasses and a laboratory coat. Decontaminate used plates and waste including washings with a strong oxidising agent before disposal. Refer to product Safety Data Sheet for additional information.
- Use calibrated micropipettes and clean or sterile pipette tips for making all serum dilutions.
- Do not eat, drink or smoke in the laboratory. Do not pipette by mouth.
- Do not use serum past its expiration date and do not mix different lot numbers.

Using the Pre-diluted Reference Control

- Thoroughly mix the contents of the reference control by gently shaking the vial.
- Treat the reference control in exactly the same way as the positive and the negative controls supplied with the BioChek kit.
- Dispense the required amount of diluted reference control into selected wells. At least 2 wells per plate should be used.

Intended use

- When the obtained reference control titer value is within the ranges, the assay is valid.
- When the obtained reference control titer value is out of the expected ranges, the assay is invalid and needs to be repeated.
- The reference control titer value obtained can also be compared with the reference control titer value stated on the Certificate of Analysis for each BioChek ELISA kit lot number.

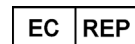
- As the reference control is a pre-diluted sample it does not validate the accuracy of the dilutions made. Please ask BioChek for our Freeze-dried Reference Serum (Product Code CR300) for validation of the dilution made.
- Record test results of the reference control over time.
- Plot test results graphically to quickly monitor results over time, e.g. using BioChek software, or spreadsheet software or graphical paper.

PLEASE NOTE:

Target titers listed are only to be used as an indication of expected titer levels for each assay. Each laboratory has to establish its own target titer levels and monitor those over time.

Please ensure this batch is included in your version of the BioChek software.

For more information, please contact BioChek at:



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Symbol Glossary



Product code



Batch number



Manufacturer



Manufacturing date



Expiry date



Authorised representative in the European Community