

Certificate of Analysis

RF11 Pre-diluted Reference Control - Target Titers

Lot number **RF11**
Expiry date **Nov 2018**

BioChek ELISA Test	Target Titer Range *
ELISA IBD	7000 - 13000
ELISA IBV	5000 - 9000
ELISA NDV	7000 - 13000
ELISA ART	3000 - 7000
ELISA REO	6000 - 11000
ELISA AE	7000 - 15000
ELISA CAV	3000 - 7000
ELISA MG	1000 - 4000
ELISA MS	1000 - 4000
ELISA MG/MS	2000 - 8000
ELISA EDS	1000 - 4000
ELISA Salm D (SE)	654 - 2500
ELISA Salm B (ST)	Target Value on Kit COA
ELISA Salm B/D (SE/ST)	1000 - 4000
ELISA AI	1000 - 4000
ELISA ILT	1000 - 5000
ELISA FADV-1	6000 - 11000
ELISA ORT	Target Value on Kit COA
ELISA BLS	0 - 390

Notes

* Titer range data has been formulated from multiple runs with different kit lots



Pre-diluted Reference Control Serum RF11

For use as a control serum in BioChek
Poultry Antibody ELISA's

Instructions for use

Product code **RF11**
Version 1

Manufactured by

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Product description and intended use

The RF11 Reference Serum can be used for monitoring day-to-day variation in chicken antibody ELISAs. The serum is produced by BioChek (UK) Ltd. The RF11 Reference Serum contains significant and known antibody levels against several major avian pathogens. A Certificate of Analysis is provided, giving target titers and titer ranges for the different assays used.

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 RF11 Reference Serum has been heat treated for 60 minutes at 56 °C / 133 °F to reduce the risk of possible (heat labile) infectious components. For extra safety, take necessary precautions to handle all biological materials as potentially infectious.
- 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 RF11 Reference Serum

- Thoroughly mix the contents of the RF11 control by gently shaking the vial.
- Treat the RF11 Reference Serum in exactly the same way as the positive and the negative controls supplied with the BioChek kit.
- Dispense the required amount of diluted RF11 Reference Serum in selected wells. At least 2 wells per plate should be used.

Evaluating and monitoring results

- The RF11 titer value obtained can also be compared with the RF11 titer value stated on the Certificate of Analysis for each BioChek ELISA kit lot number.
- When the obtained RF11 titer value is within the expected ranges, one can be confident about quantitative comparability of results with other assays run in the same laboratory and other laboratories.
- Record test results of the RF11 Reference Serum over time.

- Plot **test** results graphically to quickly monitor results over time, e.g. using BioChek software, or spreadsheet software or graphical paper.
- This Certificate of Analysis for RF11 only provides target titers.
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 these over time.

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