

## Certificate of Analysis

### RF11 Pre-diluted Reference Control – Titer ranges

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

BioChek ELISA Test	Titer Range *
ELISA IBD	6000 - 12000
ELISA IBV	4000 - 8000
ELISA NDV	7000 - 13000
ELISA ART	3000 - 7000
ELISA REO	4000 - 10000
ELISA AE	6000 - 12000
ELISA CAV	2000 - 7000
ELISA MG	1000 - 4000
ELISA MS	1000 - 4000
ELISA MG/MS	2000 - 8000
ELISA EDS	1000 - 4000
ELISA SALM GROUP D (SE)	750 - 2500
ELISA SALM GROUP B (ST)	250 - 1500
ELISA SALM GROUP B&D (SE/ST)	1000 - 5000
ELISA AI	667 - 4000
ELISA ILT	1200 - 3000
ELISA FAV1	3000 - 7000
ELISA ORT	2000 - 8000
ELISA BLS	0 - 390 NEG

### Notes

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



## Pre-diluted Reference Control Serum

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

## Instructions for use

Product code **RF11**  
**Version 4**

### Manufactured by

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## Product description

The RF11 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 RF11 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 RF11 at QC.

## 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 Control 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 Control 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 Control into selected wells. At least 2 wells per plate should be used.

## Intended use

- When the obtained RF11 titer value is within the ranges, the assay is valid.
- When the obtained RF11 titer value is out of the expected ranges, the assay is invalid and needs to be repeated.
- 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.
- As the RF11 Reference Control is a prediluted sample it does not validate the accuracy of the dilutions made. Please ask BioChek for our reference sera (freeze dried) for validation of the dilution made.
- Record test results of the RF11 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.

## For more information, please contact BioChek:

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