

Ordering Code:

IBV-1000

Size: 10 plates , 920 tests

IBV-0500

Size: 5 plates, 460 tests

IBV-0200

Size: 2 plates, 184 tests

Plate Versatility: Each plate contains 12 removable 8-well strips, color coded for the kit type.

Sensitivity: > 91% *

Specificity: > 100% *

Assay Range: 0 - 100 EU**

Sample Type: Serum

Total Incubation Time:

< 2 hours

Intra-Assay CV: < 10%

Inter-Assay CV: < 10%

Wavelength: 405nm or 410 nm as primary filter. Use a 630 nm or 650 nm as a reference filter.

Critical Components:

Conjugate and Substrate are in 1 X form, yielding stable and consistent results, thereby reducing technician error.

Instruction Pamphlet:

Assay procedure in four languages (English, Spanish, French and German).

Negative Results for:

Mycoplasma gallisepticum
Mycoplasma synoviae
Infectious Laryngotracheitis
Avian Leukosis Virus
Rotavirus
Marek's Disease Virus
Avian Adenovirus 1, 3, & 7
Newcastle Disease Virus
Avian Reovirus
Avian Influenza
Chicken Anemia Virus
Fowl Pox Virus
Haemophilus paragallinarum
Reticuloendotheliosis
Infectious Bursal Disease
Avian Encephalomyelitis
Avian Paramyxovirus 2 and 3

Procedure:

1. Allow reagent to warm to room temperature. Mix all reagents by inverting and swirling.
2. Dilute 4X Sample Diluent by mixing 1 part with 3 parts deionized water. Mix well. For example, 30ml 4X Sample Diluent plus 90ml deionized water.
3. Dilute 20X Wash Solution by mixing 1 part with 19 parts deionized water. Mix well. For example, 25ml 20X Wash Solution plus 475ml deionized water.
4. Shake to suspend controls and test samples before diluting.
5. Dilute Negative, Positive and samples in a ratio of 2µl sample for each 800 µl sample diluent. Mix well by pipetting 4 times with 100µl displacement.
6. Dispense 100µl of diluted Negative to duplicate wells. Dispense 100µl of diluted positive to duplicate wells. Dispense 100µl diluted test samples per well. Let stand 30 minutes at room temperature.
7. Empty plate. Wash by dispensing 300µl Wash Solution per well. Empty plate and tap out excess on paper towel. Repeat two more times. Do not allow plate to dry between washing steps.
8. Immediately dispense 100µl Conjugate per well. Let stand 30 minutes at room temperature.
9. Wash plate as in step 7.
10. Immediately dispense 100µl Substrate per well. Let stand 30 minutes at room temperature.
11. Do not empty plate. Immediately dispense 100µl Stop Solution per well.
12. Read plate using dual wave length microplate reader blanked on air. Use a 405 nm or 410 nm as primary filter. Use a 630 nm or 650 nm as a reference filter.

AviaSoft Avian Health Software Package:

A comprehensive software system for managing assay results. Built for Windows 98 / ME, it meets today's standards for ease of use and compatibility.

Features include:

- ◆ Multiple database- for laboratories that need to track more than one client.
- ◆ Importation of archived titer data.
- ◆ Importation of optical density readings from outside sources.
- ◆ Plate setup allows customization of controls placement and number of strips used.
- ◆ Plate setup templates are easily recalled.
- ◆ Quick Reports include: case information, titer summary, GMT and AMT, actual O.D.s and titers, % CV.
- ◆ Data Graphs include Agent analysis: titer v. time, titer v. flocks. Flock analysis: titer v. multiple agents
- ◆ Graphing is easily customized to your needs eg. filtered queries include titers or titer groups, AMT or GMT, titer high / low / mean and cutoff determinations, date range, bleed age range, flock section, case range, client setup information, etc.
- ◆ Tech support is available to answer your questions and aid in setup. The software is available for CD-ROM or download from our internet site.
- ◆ Compatible readers include Dynex / Dynatech MRX, MR5000, MR7000, OpsysMR, StatFax Strip Reader, BioTek ELX800, ELX808, EL311, EL312, EL340, EL301.

Materials Included:

- ◆ Plates coated with IBV
- ◆ Sample Diluent
- ◆ Wash Solution
- ◆ Serum Controls
- ◆ Conjugate
- ◆ Substrate
- ◆ Stop Solution
- ◆ Instruction Pamphlet

*As compared to a standard Hemagglutination-Inhibition Test [Sens./Spec. of Competitor 1: 98% / 100%, Competitor 2: 96% / 100%]

**The ELISA Unit is a simple calculation of the Test Sample : Positive ratio. Titers are calculated by the accompanying software.