



Case Ref. No.: V005/02/06
Payment no.: AHL1032/06

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LABORATORY REPORT

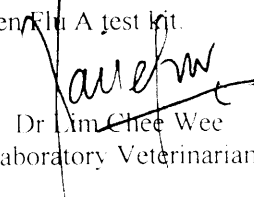
Type of examination : Virological
Specimen Description : Rocheby Avian Influenza Virus Antigen Test Kit x 1
Lot no.: 05305
Received from : Cell Sciences Pte Ltd
Date received : 24/11/05
Date tested : 29/11/05 - 30/11/05

Report:

1. Feasibility test for Rocheby test kit, using a panel of Influenza A viruses
Seven viruses were used, namely H3N8, H6N1, H7N1, H9N2, H5N2, H5N3 and H1N1. The kit tested positive for Influenza A in all instances at neat (undiluted) concentration of virus.
2. Specificity test for Rocheby test kit, using Influenza A and other viruses
Four viruses were used, namely H5N3, Influenza B, Paramyxovirus type 2 and Newcastle disease virus. The kit tested positive for H5N3, but tested negative for the remaining 3 viruses.
3. Sensitivity- Limit of detection of Rocheby test kit, in comparison to other tests
A comparison was made against the real-time PCR (Influenza A Matrix gene) assay and the Directigen Flu A kit using H5N3 virus at $10^{5.0}$ EID₅₀/0.1 ml. The Rocheby kit tested positive only at the neat (undiluted) concentration of $10^{5.0}$ EID₅₀/0.1 ml. The Directigen kit tested positive at a 1/10 dilution, ie. $10^{4.0}$ EID₅₀/0.1 ml, and the real-time PCR at 1/1000 dilution, ie. $10^{2.0}$ EID₅₀/0.1 ml.

The results suggest that the Rocheby test kit is specific for the detection of Influenza A viruses, but not as sensitive as the in-house real-time PCR assay or the Directigen Flu A test kit.

06/02/06


Dr Lim Chee Wee
Laboratory Veterinarian

Notes : All results in this report are applicable only to the respective specimen(s) tested. This test report shall not be reproduced except in full, without written approval from our laboratory.