

Curriculum Vita

Name: Ekram Salama Mahmoud Hassan
Citizenship: Egyptian
Date and place of birth: 30 th. September, 1971
Degree: PH.D in Veterinary Science (Birds and Rabbits Diseases)
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Under the supervision of:

Prof.Dr.Mostafa A. Bastami

(Prof of Poultry Diseases and Vice Dean Of Faculty of Veterinary Medicine for Research and post Graduate-Cairo University)

Prof. Dr.Ahmed Sayed Hamouda

Prof of poultry Diseases-Cairo University

Prof. Dr.Elham Atta El-Ebiary

Chief Researcher and Director of Central Laboratory for Evaluation of Veterinary Biologics, Abassia, Cairo

Abstract

Infectious Bronchitis disease still occurred in vaccinated and unvaccinated chicken's farms in Egypt. Four variants isolates of IBV could be isolated and identified. One variant strain of them produced respiratory distress and nephritis nephrosis associated with 46.7% mortality compared with the reference variant strain which produced 33.3% mortality, also the variant isolated strains were identified using RT-PCR and sequencing of apart of S1 gene .An inactivated oil emulsion vaccine where prepared from both isolated variant & reference variant strains. it could be proposed that revision of vaccination programs and type of vaccines used should be implemented either as local or imported production .

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List of Abbreviations

AF	:	Allantoic fluid
AGP	:	Agar gel precipitation
BEI	:	Binary ethyleneimine
bp	:	base pair
BW	:	Body weight
CAM	:	Chorioallantoic membrane
CE	:	Chicken embryo
CMI	:	Cell mediated immunity
CRBc	:	Chicken red blood cells
D	:	Duch
DPI	:	Day post infection
ECE	:	Embryonated chicken eggs
EID50	:	Egg infective dose fifty
ELISA	:	Enzyme linked immunosorbent assay
EM	:	Electron microscopy
GPC	:	General poultry company
HA	:	Haemagglutination
HI	:	Haemagglutination inhibition
Hr	:	hour
HVR	:	Hypervariable region
IB	:	Infectious bronchitis
IF	:	Immunofluorescent
IgA	:	Immunoglobulin type A
IgG	:	Immunoglobulin type G
IgM	:	Immunoglobulin type M
IP	:	Immuno peroxidase
M	:	Membrane glycoprotein
M41	:	Mass type of IBV
Mab	:	Monoclonal antibodies
MDA	:	Maternally derived antibody
MIN	:	Minimum
N	:	Nucleocapsid protein
ND	:	Not done
NI	:	Neutralization index
NO	:	Number
OEV	:	Oil emulsion vaccine
PBS	:	Phosphate buffer saline
PHA	:	Passive Haemagglutination
RFLP	:	Restriction fragment length polymorphism

RT-PCR : Reverse transcriptase polymerase chain reaction.
S1 : Spike glycoprotein subunit one
SN : Serum neutralization
SPF : Specific pathogen free