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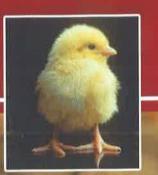
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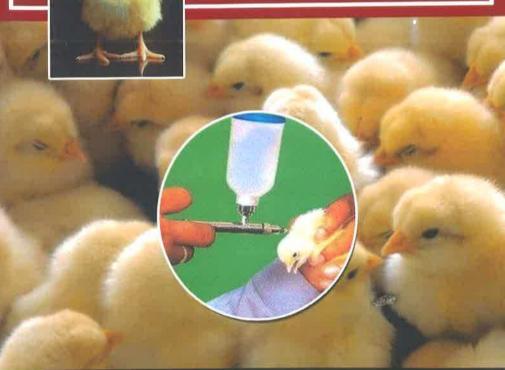
# -VACCINATION-POULTRY



VACCINATION

IN POULTR

- Dr. Hemant Joshi
- M.K. Vyas
- Shashank Purohit



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By
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M.K. Vyas,
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Vaccination in Poultry

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Vaccination in Poultry

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#### **Preface**

Vaccination plays a very important role in poultry. Poultry vaccines are widely applied to prevent and control contagious poultry diseases. Their use in poultry production is aimed at avoiding or minimizing the emergence of clinical disease at farm level.

Poultry Vaccines are also intended to stimulate the immune mechanism (Herd Immunity) of a bird to produce antibodies, which inactivates pathogen and also produce minimal harm. Vaccination also plays a major role in preserving productive health of poultry. Thus, increasing production and profitability.

Poultry birds are usually vaccinated against a variety of diseases including Marek's disease, Newcastle disease, infectious bronchitis, Infectious laryngotracheitis, fowl pox, fowl cholera etc..

Vaccine failure is also a main problem in poultry and it is estimated that a large percentage of poultry flocks faces the vaccination failure. Vaccination failure is the consequence of the inability of the chicken to develop adequate immunity after immunization or susceptibility of bird to field outbreak after administration of vaccine. Therefore, it is important to know about as to what is vaccination, what are the methods of vaccination in poultry, what are the reasons for vaccine failure in poultry and how can it be prevented.

This book "Vaccination in Poultry" tried to cover all the above components of vaccination in poultry including type of vaccines and vaccination schedule for different diseases.

This book is also an attempt to meet the needs of poultry farmers, practicing veterinarians, consultants, poultry entrepreneurs, students and faculty members of various veterinary Universities, in poultry, by providing all the practical tips for vaccination in poultry farms.

Keeping in the view on non-availability of such comprehensive information, this book to best of our knowledge is a unique blend of techniques and application and authors hope that it will serve as a good reference to all the users. Nevertheless, improvement is a continuous process, hence scientific and technical inputs, comments and suggestions from expert is highly solicited.

Lastly, we strongly recommend the help of trained veterinarian before starting the vaccination of flocks.

M. K. Vyas
Shashank Purohit

### 1

## Vaccination in Poultry: An Overview

accination in Poultry, this book is designed to help field personnel in the proper use and administration of poultry vaccines. It is intended as an on-farm reference to offer standard operating procedures to improve delivery and efficacy of vaccines in order to optimize flock performance. Proper vaccination is an essential part of a good poultry management program and for the success of any poultry operation. Effective preventive procedures such as immunization protect hundreds of millions of poultry worldwide from many contagious and deadly diseases and have resulted in improved flock health and production efficiency. Immunization cannot be a substitute for poor biosecurity and sanitation. Thus, vaccination programs may not totally protect birds that are under stress or in unhygienic conditions. The primary objective of immunizing any poultry flock is to reduce the level of clinical disease and to promote optimal performance. Certain vaccines may also have an impact on human health like Salmonella vaccines. For breeders - we also want to accomplish some additional goals:

**A.** Protect the bird like a pullet and hen against specific diseases.

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