

ValleyVac® H5 Plus ND^{G7}

Massive Antigenic
Mass/Dose

Unique adjuvant

Wide range of recent
isolated HPAI & NDV
antigens

High

Rapid

Broad

Protection levels against HPAI & NDV
with undetectable shedding

Dose and Recommendations:

- Dose: 0.5 ml / Bird
- For broiler: once at 7 to 10 days old
- For breeder and layer pullets: at least twice in rearing period, one of them at first 4 weeks of age, the second after 4:6 weeks.

ValleyVac®

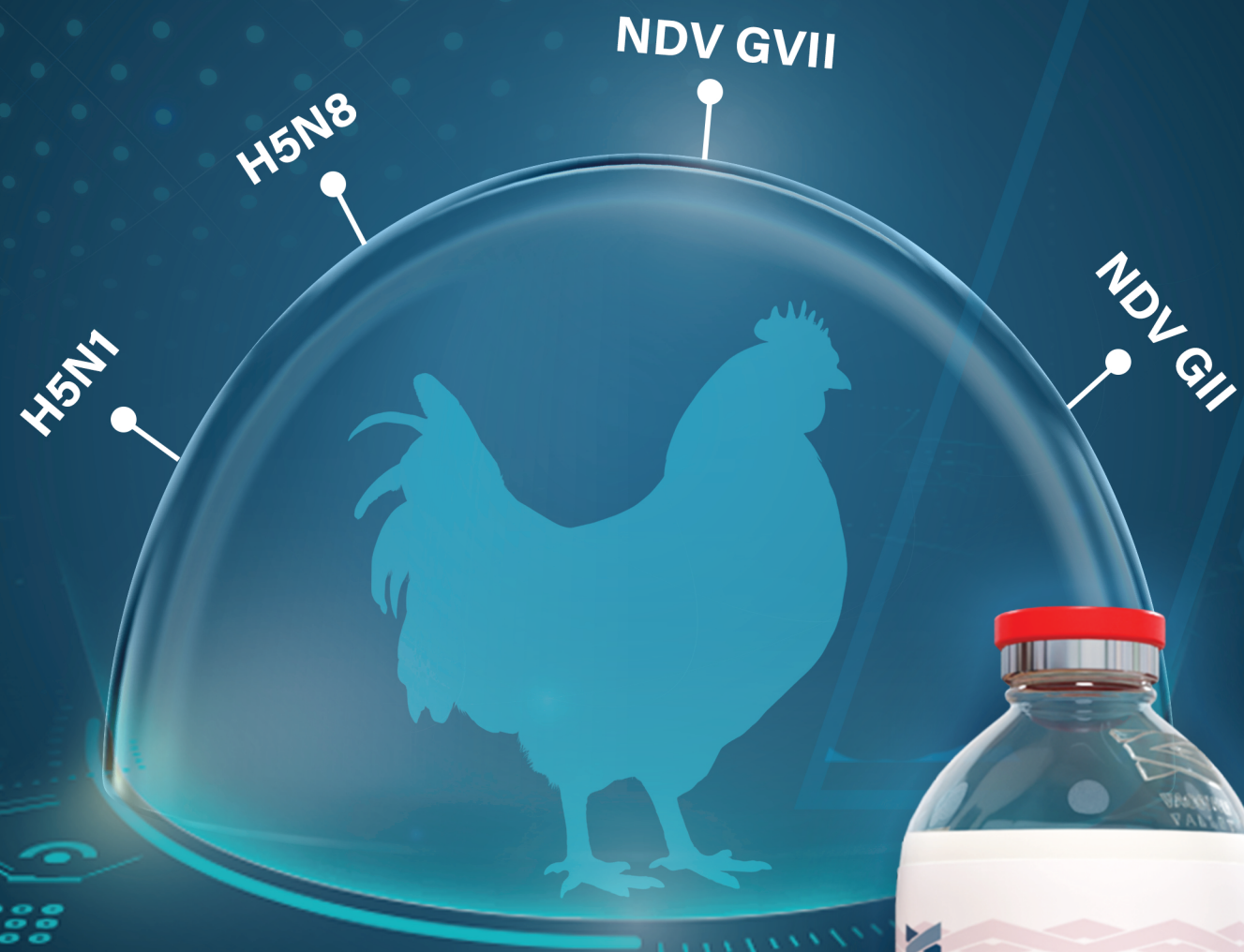
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/Vaccinevalley
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VACCINE
VALLEY

ValleyVac® H5 Plus ND^{G7} High, Rapid and Broad

Protection against HPAI and NDV



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ValleyVac® H5 Plus ND^{G7}

High Level of protection
Immunogenicity and concentration



HPAI H5		
Strain	Concentration	
	EID 50	HAU
RG/H5N8 2.3.4.4b	> 10 ⁹	>512 HAU
RG/H5N1 2.2.1.2	> 10 ⁹	>512 HAU

NDV Genotypes and concentration	
Strain	EID50
NDV GVII (Whole Virus)	> 10 ^{8.5}
NDV GII (Whole virus)	> 10 ⁹

ValleyVac® H5 Plus ND^{G7} was innovated for development of high, rapid, broad and prolonged protection level for both HPAI H5 and level of NDV through achievement of:

1- Most specific high level of antibodies through massive concentration / dose from HPAI H5 and NDV.

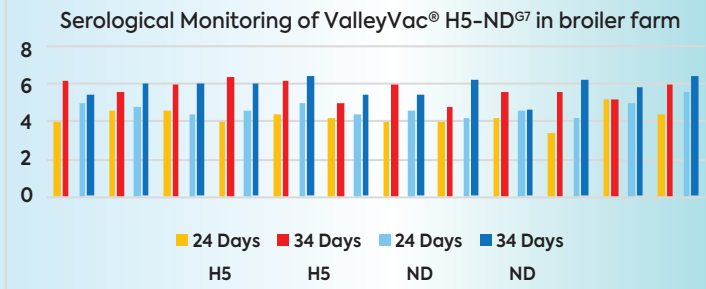
2- Rapid cellular and humoral immunity through manufacturing on unique adjuvant Montanide™ ISA 71.

ValleyVac® H5 Plus ND^{G7} evaluation in long life birds

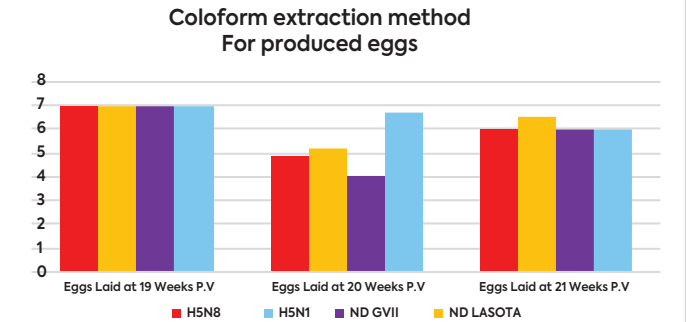
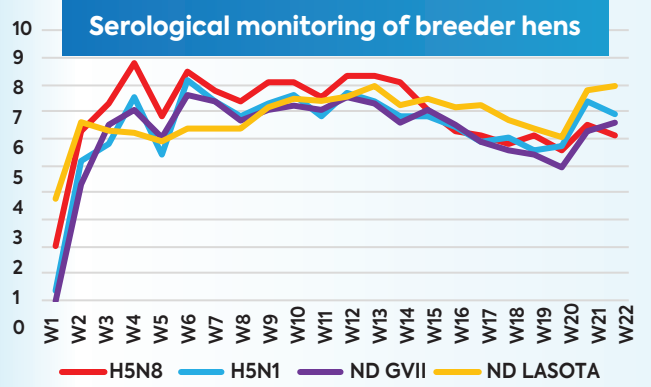
Type of birds	SPF breeders
Duration of study	23 Weeks
Used vaccine	ValleyVac® H5 Plus ND ^{G7}
Dose	Single dose 0.5ml/ Bird
Serological monitoring for hens weekly till 22 weeks old	HI for H5N8, H5N1, ND GII and NDGVII
Used antigen	Homologous antigen

ValleyVac® H5 Plus ND^{G7} evaluation in commercial broiler farm

Number of birds / flock	600,000
Rearing system	Cage
Number of houses	12 × 50,000 broiler birds
H5-ND inactivated vaccine and vaccination day	ValleyVac® H5 plus ND ^{G7} 7 Days old
Serological monitoring	24 days old (17 days P.V) 34 days old (selling age)
Used antigen	Homologous antigen supplied by Vaccine Valley H5 2.3.4.4b ND genotype 7



Above clinical study in commercial broiler farm shows rapid and high seroconversion which reflects high protective level against both HPAI H5 and NDV achieved by ValleyVac® H5 Plus ND^{G7} and reveals the power of high antigenic mass and unique adjuvant.



Above study shows rapid and homogenous induction of immune response achieved by one vaccinal shot of ValleyVac® H5 Plus ND^{G7} continued to 22 weeks post vaccination, in addition to high protective and homogenous antibodies in laid eggs.