

NEWCASTLE DISEASE VACCINATION PROGRAM
LAYING HENS AND PULLETS (ON THE FLOOR)
STANDARD OPERATING PROCEDURES

IMPORTANT NOTE

Titres are defined as adequate if, from 4 weeks post-vaccination the mean HI titre of the flock is at least 2^3 (1/8) to 18 weeks of age and at least 2^5 (1/32) thereafter.

All serological sampling is to be undertaken by a veterinarian or a person approved by the CVO of the relevant State or Territory in accordance with the approved sampling protocol.

2–4 weeks ^{a,b}	Live V4
12–14 weeks	Inactivated vaccine
Thereafter	<p>If a flock is to be retained beyond 86 weeks of age, serological monitoring is to be undertaken at 80 weeks of age and, if the mean titre is less than 2^5, the flock must either be:</p> <ul style="list-style-type: none"> (a) disposed of for slaughter within 6 weeks; or (b) revaccinated with inactivated vaccine; or (c) revaccinated with V4, followed by serological monitoring 2–3 weeks later; if the mean titre in this test is less than 2^5, then the flock is to be revaccinated with inactivated vaccine.

Notes:

- a) In addition, where a veterinary advisor feels it is appropriate, live V4 may also be used at day-old
- b) If the birds are older than 4 weeks at the time that vaccination becomes compulsory in an area *and* they have not previously received both live and inactivated vaccine, please refer to the vaccination protocol below.

If the birds are older than 4 weeks but not older than 18 weeks at the time that vaccination becomes compulsory in an area, and they have not previously received both live and inactivated vaccine, the following vaccination program will apply:

Live V4 immediately
Inactivated vaccine as soon as possible thereafter, but within 6 weeks of live V4

If the birds are 18 weeks or older at the time that vaccination becomes compulsory in an area, and they have not previously received both live and inactivated vaccine, the following options are available:

- Option A. Vaccinate with live V4 followed by inactivated vaccine as soon as possible thereafter, but within 6 weeks of live V4.
- Option B. Undertake serological testing (to the protocol provided), and
 - (i) **if the mean titre of any flock tested is less than 2^3** , that flock must be vaccinated with live V4 immediately, followed by inactivated vaccine as soon as possible thereafter, but within 6 weeks of live V4.
 - (ii) **If the mean titre of any flock is greater than or equal to 2^3 but less than 2^5** , then the following alternative courses of action will apply:
 - vaccinate the flock with live V4 immediately, and again thereafter every 8 weeks, or
 - undertake serological monitoring of the flock every 8 weeks thereafter, and revaccinate with live V4 if the mean titre is less than 2^3 .
 - (iii) **If the mean titre is greater than or equal to 2^5** , no revaccination required.

Note: Wherever serological sampling is required above, it must be undertaken by a veterinarian or a person approved by the CVO of the relevant State or Territory.