

Poultry Vaccination against Newcastle Diseases

Low-cost vaccination for poultry

The “Universal Vaccination against Newcastle Diseases” is a method for widespread vaccination in poultry. It includes thermostable vaccines, efficient logistics, easy application, and vaccinator training.



ND I-2 vaccine is available in small vials

ILRI
INTERNATIONAL
LIVESTOCK RESEARCH
INSTITUTE

International Livestock Research Institute (ILRI)
Tunde Amole



This technology is **TAAT1 validated**.

7-7



Scaling readiness: idea maturity: 7/9; level of use: 7/9

0.02 USD

A dose of the ND I-2 vaccine, is inexpensive to administer

2.5 USD

per round of vaccination for 20 chickens

250 USD

local vaccination campaign at the village level



Open source / open access

Technology from

[ProPAS](#)

Commodities

Poultry

Sustainable Development Goals



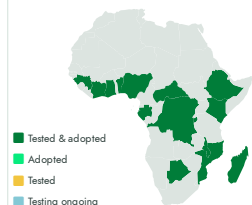
Categories

Production, Inputs, Animal healthcare

Best used with

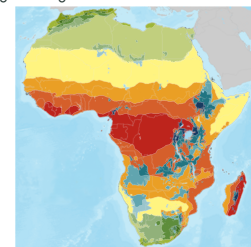
• [Biosecurity for Disease Prevention](#)

Tested/adopted in



Where it can be used

This technology can be used in the colored agro-ecological zones.



Target groups

Farmers

Problem

- **High Mortality & Uptake:** Newcastle disease causes high mortality in poultry, with limited vaccine uptake.
- **Accessibility & Knowledge:** Vaccine access and disease knowledge are challenges.
- **Vaccination Issues:** Inconsistent application and poor systems hinder effective vaccination.

Solution

- **Thermostable and Broad Protection:** The ND I-2 vaccine is developed from a temperature-tolerant strain of the virus, enabling it to withstand varying temperatures and offer protection against a wide range of Newcastle Disease Virus strains.
- **Strong Immune Response and Ease of Use:** The vaccine triggers a robust immune response in poultry and is user-friendly with straightforward administration and storage procedures.
- **Safety and Long-lasting Protection:** The vaccine is widely accepted due to its proven effectiveness and safety. It offers enduring protection, reducing the need for frequent re-vaccination.

Key points to design your business plan

For breeders

For a breeder to use the ND I-2 vaccine:

1. **Connect:** Engage with local veterinary services and farmers.
2. **Learn:** Understand the vaccine and its administration.
3. **Acquire:** Purchase the vaccine from a reliable source.
4. **Administer:** Vaccinate all chickens at once.
5. **Monitor:** Keep an eye on the flock's health.
6. **Train:** Attend relevant training sessions.

Gender assessment

3

Climate impact

6



Poultry Vaccination against Newcastle Diseases

<https://taat.africa/eaf>

Last updated on 10 April 2025, printed on 15 May 2025

Enquiries e-catalogs@taat.africa