

# Global hatchery health programme: innovation and real-time control

Hatcheries play a key role in connecting the origin of the hatching eggs and the destination of the newly hatched chicks, meaning that they are the essential link between the world of breeders and the broiler farms. So it is crucial that there is proper control of all their operations at all times.

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Prevention of the main poultry diseases should start in the hatchery. Therefore, it is also paramount to ensure correct vaccination at hatchery level and guarantee that good quality and healthy chicks arrive at the farm to express their maximum potency.

To help companies ensure the best possible results, Hipra has developed a series of services included under the new Global Hatchery Health Programme (GHHP) that will bring innovation and real-time control of the health of the hatchery.

## What benefits does this programme bring?

GHHP is the programme that will help producers to achieve maximum health performance results through the implementation of several audits

performed by specialist teams. Furthermore, it is a tailor-made and customer-focused programme, since each hatchery is a different world, and it can be adapted to the needs of each hatchery where the programme is carried out. GHHP is a complete programme based on the following two blocks – global hatchery health immunisation and global hatchery health chicks.

## Global hatchery health immunisation

The first block is focused on guaranteeing good vaccination practices, and includes:

- Vaccination audits for all hatchery administration routes.
- Smart Vaccination and device audits.

The objective of these audits is to ensure correct subcutaneous/ in-ovo/spray vaccination to reduce procedure failures and, therefore, to achieve better safety and efficacy of vaccination.

For this, the audits are focused on the following three points:

- Vaccine storage and preparation.
- General condition of devices, handling and cleaning/disinfection process.
- Vaccination process.

Furthermore, Hipra also has a unique concept called Smart Vaccination, which is based on:

- Smart vaccines with an RFID chip in the label.
- Smart devices for delivery of precise dosage, speed control and ease of operation.
- Total traceability through HIPRALink Vaccination, the software that records all the vaccination data.

It also includes Smart Vaccination audits, to ensure that the entire vaccination process is carried out correctly and to avoid possible vaccination failures.

## Global hatchery health chicks

The second block of the programme is focused on guaranteeing that the chicks leave the hatchery in the best condition. Chick quality and vaccination quality are intrinsically linked, and one cannot be successful without the other.

In other words, to achieve the maximum effectiveness of vaccines, a good vaccination procedure is not the only thing that is needed, which is the reason why Hipra has added the following tests to the GHHP:

- Day-old chick (DOC) quality audit, based on the 'Pasgar Score' test of Pas Reform, a formula that permits a chick's quality to be assessed with a numerical value. This assessment is simple and effective, and although it is based on a qualitative method, it works as an indirect identification of



critical points and consequently areas for improvement.

- Chick microbiology audit: the health quality of the DOC begins with the health of the parent stocks. Vertical transmission of bacteria, as well as post-hatching contamination, can negatively affect the health of chicks and their resistance to disease.

Assessing the microbiological quality of the DOC works as a thermometer of processes related to breeders, as well as the hatchery's biosecurity, and allows decision-making to put the broilers-to-be on the right path to optimising health and productive results.

Although the hatchery is at the heart of the poultry industry, it is just one piece of the puzzle. In fact, it is essential to have a view of production as a whole interconnected process. This global vision can only be achieved through data science. Hiprastats is the data science solution that takes into account a company's business strategy and areas for improvement for both hatcheries and producers in order to support innovative companies to become better.

## Commitment to disease prevention

All the data and results obtained from these audits will be compiled in a final report. Through these audits, Hipra can easily detect where the problem is and make better decisions.

With this new programme, Hipra once again shows its commitment to disease prevention, by offering innovative and differential solutions for the poultry market. ■

## Hipra's Smart Vaccination process.

