

The respeggt supply chain verification

Thanks to supply chain verification, we can guarantee you and consumers that only eggs and foodstuffs that demonstrably meet the high respeggt requirements carry the respeggt heart label. This ensures transparency and security in communication.

A supply chain verification can always be ordered together with the order of chicks/young hens from the hatchery. For a fully completed supply chain verification, the laying hen farm receives an **allowance of**

5ct per respeggt laying hen housed from respeggt, provided it has been exempted from chick culling using the SELEGGT process. The respeggt supply chain verification can be carried out for all types of husbandry.

The respeggt label stands for the promise „Free of Chick Culling“. Consumers can check this added value directly with the producer code search on www.respeggt.com.



The benefits of respeggt

- ✓ Hatcheries do not have to make their own investments for the SELEGGT technology. Personnel and production costs for gender identification are also paid by respeggt.
- ✓ The hatchery pays a price per selected female hatching egg for the SELEGGT process.
- ✓ An online search for the producer code on our website www.respeggt.com/en and complete supply chain control provide transparency and security for all parties involved.
- ✓ The laying hen farm receives a respeggt „Free of Chick Culling“ certificate from the 19th week of life.
- ✓ The farmer is compensated for the effort of a supply chain verification with 5ct per layer housed, provided that the SELEGGT process was used.
- ✓ Free provision of printers for packing centres to stamp the respeggt stamp on each egg.
- ✓ Processed foodstuffs may also be labelled with the heart-shaped respeggt label.
- ✓ In case of bird flu before 50 weeks of age: no SELEGGT sexing costs for a respeggt replacement flock for the hatchery.
- ✓ The SELEGGT process:
 - has no negative consequences for the hatching egg
 - is carried out on the 9th day of hatching (before any pain perception)
 - can be used for all hatching colours and genetics
 - can be ordered from any hatchery, even if they do not have their own SELEGGT system installed

About respeggt

“Free of Chick Culling” is what we, at respeggt, promise. We are an international team with expertise in the agricultural sciences, agricultural engineering, the economic sciences and IT and are passionate about our work. Together with our expert partners, we aim to put an end to male chick culling in Europe. Since 2019 the company has been implementing its ready-to-use solution and thereby ensures maximum transparency and control along the supply chain by giving the guarantee “Free of Chick Culling”.



For further information:
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Information for
laying hen farms

Let's end chick culling together



An ethical dilemma

Every year in Europe alone around **330 million** male chicks are killed directly after hatching during egg production. This is because cockerels don't lay eggs and cockerels of egg-laying breeds gain less meat than typical broiler races. This worldwide phenomenon poses an ethical dilemma for society for which respeggt offers a solution.



The solution

Thanks to **gender identification in the hatching egg** using the so-called **SELEGGT process**, respeggt can prevent male chicks from hatching.

The SELEGGT process is based on a patented process for endocrinological gender identification in the hatching egg that was developed through research carried out by scientists at the University of Leipzig.

How does it work?

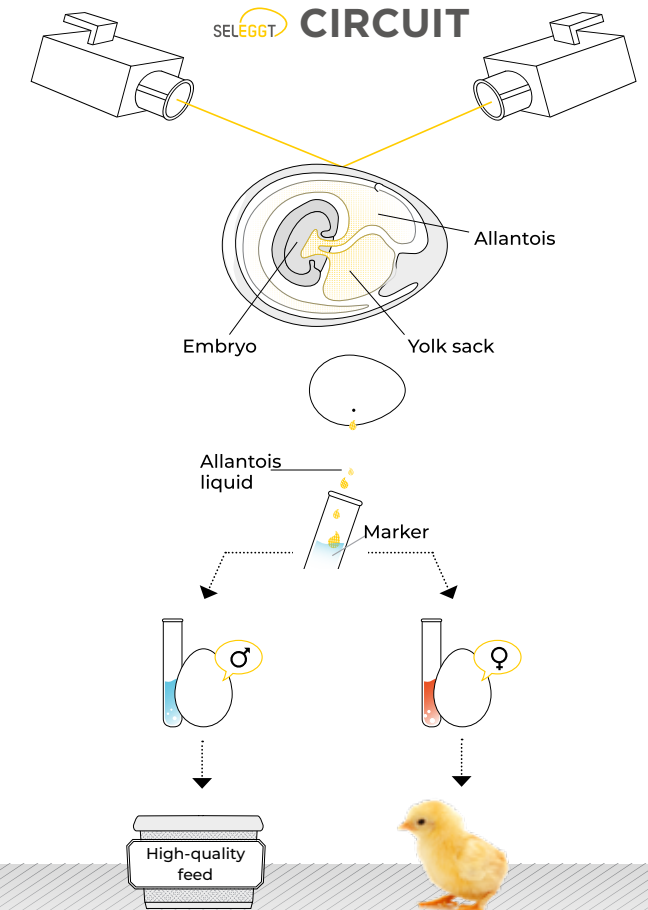
On the **9th day of incubation**, the hatching eggs are removed

from the incubator and checked for fertilisation. With the help of a precision laser, a small hole with a diameter of **approx. 0.3 mm** is now created in the hatching tray of the fertilised hatching eggs. A drop of the allantoic fluid is then removed by a precise, electronically controlled suction procedure and consequently has **no negative consequences** for the hatching egg, as the inside of the hatching egg remains untouched and unharmed. The allantoic fluid of female hatching eggs contains oestrone sulphate, a female sex hormone.



The extracted drop is now placed outside the hatching egg on a patented marker. The marker reacts to the oestrone sulphate with a colour change. The hatching eggs can now be distinguished and sorted according to male and female sex according to the colour change. In this way, it is possible to process the male hatching eggs into **high-quality feed**, while the female hatching eggs are returned to the incubator.

Immediately after the allantoic fluid is removed, the hole in the eggshell is sealed with beeswax to minimise any increased hygiene risk to the inside of the hatching egg. Beeswax is approved as a natural material in animal feed, which is why it can be used without any problems when the male hatching eggs are processed into animal feed.



On **the 21st day of hatching only female chicks hatch**, which later lay respeggt eggs as so-called respeggt laying hens after a successfully completed supply chain verification.