

# Operation Manual

## Incubator Lamp

50039-07



Similar to image, may vary depending on model

Read and follow the operating instructions and safety information before use.

Technical changes reserved!

Due to further developments, illustrations, functioning steps, and technical data can differ slightly.

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Our postal address is:

WilTec Wildanger Technik GmbH  
Königsbenden 12  
52249 Eschweiler  
Germany

E-mail: [service@wiltec.info](mailto:service@wiltec.info)

Tel: +49 2403 55592-0

Fax: +49 2403 55592-15

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WilTec Wildanger Technik GmbH  
Königsbenden 28  
52249 Eschweiler

E-mail: **[service@wiltec.info](mailto:service@wiltec.info)**

Tel: +49 2403 55592-0

Fax: +49 2403 55592-15

## Introduction

Thank you very much for buying this quality product. To reduce the risk of injury, we ask you to always regard a few basic safety requirements, when using this product. Please thoroughly read the operating manual and make sure that you have understood it.

Keep the operating manual for future reference.

This special incubator lamp for screening the inner part of the egg can be **switched on and off** via a push button placed at the bottom part. We kindly request you to only use standard commercial batteries (not included).

To succeed in the artificial breeding of the eggs, it is important to **continuously observe the eggs**. Using this kind of lamp means simply screening the egg to illuminate it in a way that one can observe the stage of its development. It makes sense to keep track of the respective stage of development by recording the observations to keep track of the chick's development. It is of great importance to recognise any unfertilised or dead eggs as soon as possible and to immediately eliminate those because there is the danger of fermentation gas in dead eggs which makes the affected eggs burst. This in turn – in the worst case - affects the healthy eggs whose pores are clogged then. This means the death of the healthy chicks.

It is advisable to postpone the screening approximately **until the 7<sup>th</sup> day**, as the eggs are fairly sensitive to temperature. By removing them from the incubator the fluctuations of temperature can have a negative impact on the breeding result. After the screening it is advisable to **let the eggs rest until the 14<sup>th</sup> day**. On the 14<sup>th</sup> day it is recommended to check those eggs that have not shown a clear result on the 7<sup>th</sup> day.

As for the screening, it is advisable to **set up a dark place nearby the incubator**. Gently remove the egg from the incubator and hold up the thick end of the egg (where there is the air bubble) directly against the lamp. Now you fix the egg between thumb and forefinger at the pointed end of the egg and slightly tilt it to one side. Then you keep turning the egg as long as it takes to have the perfect look inside. The screening should take place without hesitation to make sure that the eggs can be returned into the incubator within 20–30 min. By this means the process of breeding is not affected by the screening.

Eggs whose embryos **have been developed successfully** have the following features:

- blood vessels spreading towards outside like a spider web from the centre of the egg
- the beating heart, a spot having a size of approximately 3 mm and remaining in a moving state

An **unfertilised egg** does not have any stains. The contents of a dead egg is immobile.

An embryo's death during the breeding process makes a so-called "**fairy ring**" form. This red ring sprouting on the inner side of the shell is due to the withdrawal of the blood vessels, lying against the shell.

If there are no clear signs, it is advisable to mark the respective egg and to **check it once more on the 14<sup>th</sup> day**.

Any unfertilised egg that has been located in the incubator before is **no longer suitable for consumption**.

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