

maXipig[®]

Enlightening Fertility Boar Semen Light Activation

25.17

Product Overview

maXipig[®] is a patented boar semen light activation system, applying a specific pattern of red-LED based light in an air refrigerated chamber. The treatment is applied just before using the semen doses for AI. With the treatment, sperm quality parameters consistently increase, **and farrowing rates are brought up by an additional 1 to 8% while litter size increases by up to 1.4** as observed in on-farm trials involving more than 20,000 sows.



Main Benefits



Improved farrowing rate



Increased litter size



Increased sperm viability and fertility



Increased sperm longevity



Results of trials held in different commercial farms (Results until September 2018)

| Country | Number of sows in trials with maXipig treatment | Average Fertility increase | TBP* increase |
|----------|---|----------------------------|---------------|
| Belgium | 910 | + 3,50% | + 0,7 |
| Canada | 824 | + 1,20% | ---** |
| China | 402 | + 0,74% | ---** |
| Finland | 1.508 | + 2,40% | + 0,2 |
| France | 634 | + 4,40% | + 0,2 |
| Hungary | 200 | + 2,10% | + 1,1 |
| Japan | 133 | + 8,39% | + 1,4 |
| Portugal | 1.202 | + 4,00% | + 0,5 |
| Spain | 11.321 | + 2,70% | + 0,3 |
| UK | 228 | + 2,90% | + 0,7 |

*Total Born Piglets / **No data received on farrowings yet

maXipig®

Estimation of cost savings through improving sperm viability.

Annual Cost Reduction (EUR)

| Number of Sow | Fertility Increase | | | |
|---------------|--------------------|-------|--------|--------|
| | 1% | 2% | 5% | 10% |
| 500 | 1.100 | 2.200 | 5.500 | 11.000 |
| 1.000 | 2.200 | 4.400 | 11.000 | 22.000 |
| 2.000 | 4.400 | 8.800 | 22.000 | 44.000 |

*Average in trials with more than 20.000 sows. Improved fertility 0,9% - 8,2%



Reducing non-productive days



Increasing litter size

Technical data

| | |
|---------------------------|--|
| Power Range | 100-115VAC (90008401) 220-240VAC (90008400) |
| Frequency Range | 50-60Hz |
| Maximum Power | 620W |
| Air Temperature | 59-95°F 15-35°C |
| Relative Humidity | 15-75% (non-condensing) |
| Place of Operation | For indoor use only |
| Dimensions (LxWxH) | 581x400x478mm / 22.8x15.7x19.2 in |
| Weight | 32Kg / 70lb |
| Irradiation Time | 30' with fixed light programmed intervals |

Ordering Information

1. maXipig® Boar Semen Light Activation Unit
(includes Universal Basket CAT. 900011629)
Doc. No. 50007913-02
220-240VAC **CAT. 90008400**
100-115VAC **CAT. 90008401**
2. Universal Basket for 25 Doses
(for bottles, tubes, or blisters)
CAT. 900011629

For more information about maXipig® scan the QR code:



For more information visit us at
iul-instruments.com

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