



## Evaluation of the efficacy of a *Clostridium perfringens* type A toxoid vaccine for pigs using a toxin challenge model and under field conditions

*Untersuchung der Wirksamkeit eines Clostridium perfringens-Typ-A-Toxoid-Impfstoffes für Schweine mit einem Toxin-Challenge-Modell und unter Feldbedingungen*

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**TABLE 3:** Incidence of diarrhea in piglets of vaccinated sows and control sows (proof of efficacy under field conditions)

| Age (days) | Group | N   | No diarrhea | Diarrhea | Diarrhea % | P-value* |
|------------|-------|-----|-------------|----------|------------|----------|
| 1          | 1     | 217 | 190         | 27       | 12.4       | 0.356    |
|            | 2     | 257 | 217         | 40       | 15.6       |          |
| 2          | 1     | 214 | 193         | 21       | 9.8        | <0.001   |
|            | 2     | 252 | 181         | 71       | 28.2       |          |
| 3          | 1     | 212 | 193         | 19       | 9.0        | <0.001   |
|            | 2     | 250 | 199         | 51       | 20.4       |          |
| 4          | 1     | 210 | 183         | 27       | 12.9       | 0.005    |
|            | 2     | 249 | 191         | 58       | 23.3       |          |
| 5          | 1     | 209 | 193         | 16       | 7.7        | <0.001   |
|            | 2     | 249 | 192         | 57       | 22.9       |          |
| Ø 7        | 1     | 209 | 205         | 4        | 1.9        | 0.013    |
|            | 2     | 247 | 230         | 17       | 6.9        |          |
| Ø 10       | 1     | 209 | 206         | 3        | 1.4        | 0.156    |
|            | 2     | 245 | 235         | 10       | 4.1        |          |
| Ø 12       | 1     | 208 | 207         | 1        | 0.5        | 0.130    |
|            | 2     | 242 | 236         | 6        | 2.5        |          |
| Ø 14       | 1     | 208 | 207         | 1        | 0.5        | 1.000    |
|            | 2     | 242 | 241         | 1        | 0.4        |          |
| Ø 21       | 1     | 205 | 203         | 2        | 1.0        | 0.212    |
|            | 2     | 240 | 240         | 0        | 0.0        |          |
| Ø 26       | 1     | 204 | 202         | 2        | 1.0        | 0.459    |
|            | 2     | 238 | 233         | 5        | 2.1        |          |

N = Number of piglets, Ø = Average age of the piglets, \*Fisher's exact test