



## **Coccivac®-B vs. Salinomycin: Broilers Under 5 Lbs. Summer 1998**

**T**his study was conducted at a broiler company capable of using salinomycin and Coccivac-B vaccine every other week, keeping feed separate between groups. This company processes flocks at various weights according to market demand. Coccivac-B vaccine was administered via spray cabinet to day old chicks. Coccidiostat feed contained salinomycin at 60 ppm in both starter and grower rations with a 5 day

withdrawal period. Both groups were fed virginiamycin at the 20 gram level.

Nine flocks which were processed at similar ages, and placed within the same late-summer time frame were compared for weight gain and feed conversion. All were affected by high temperatures (See Tables A and B).

### **Key Points**

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- **Weights from the two groups were identical**
- **Feed conversion was 12 points lower in the Coccivac-B flocks**

**This confirms pen-trial data that shows Coccivac-B vaccine does not depress weight gain in birds under 6 lbs. Coccivac-B weight gain was equal to and performance exceeded that on salinomycin in 4.85 broilers!**

**Table A**  
**Individual Flock Data**

| Treatment   | Number of birds | Age | Livability | Weight | Feed Conv. | Date placed |
|-------------|-----------------|-----|------------|--------|------------|-------------|
| Coccivac-B  | 14,472          | 48  | 96.23      | 4.91   | 2.04       | 7/9/98      |
| Coccivac-B  | 23,947          | 48  | 95.00*     | 5.11   | 2.07       | 8/18/98     |
| Coccivac-B  | 15,344          | 48  | 95.90      | 4.85   | 2.06       | 8/31/98     |
| Coccivac-B  | 6,708           | 47  | 89.44      | 4.95   | 2.09       | 9/10/98     |
| Coccivac-B  | 18,990          | 47  | 86.12**    | 4.46   | 2.03       | 8/31/98     |
| Salinomycin | 23,104          | 47  | 92.42      | 4.75   | 2.22       | 8/13/98     |
| Salinomycin | 20,944          | 48  | 96.71      | 4.66   | 2.10       | 8/5/98      |
| Salinomycin | 32,700          | 48  | 93.43      | 4.86   | 2.23       | 8/6/98      |
| Salinomycin | 19,848          | 47  | 87.43      | 5.12   | 2.09       | 8/10/98     |

\* Actual livability was listed as 101%. 95.0% was used for calculation of livability.

\*\* Flock experienced severe house flooding (2000 bird mortality on day 18) and wet house conditions.

**Table B**  
**Flock Averages**

| Treatment   | Total birds | Average Age | Average Livability | Average Weight | Average Feed Conv. |
|-------------|-------------|-------------|--------------------|----------------|--------------------|
| Coccivac-B  | 79,461      | 47.7        | 92.53              | 4.85           | 2.05               |
| Salinomycin | 96,596      | 47.6        | 92.49              | 4.84           | 2.17               |

Averages weighted by size of flock.

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