

ACTI/VAC® M48

Introduction: Acti/Vac M48 is recommended for vaccination of chickens against infectious bronchitis (IBV), Massachusetts type for both initial vaccination and revaccination. The vaccine is produced from chicken embryo origin virus lyophilized in vials and sealed under pressure to preserve stability. Acti/Vac M48 is recommended for use in one day of age or older birds. A second dose should be given at 2 weeks of age or older. Since live vaccines cause some reaction, production can be adversely affected if a very reactive vaccine is used. Acti/Vac M48 is mild enough to prevent production losses while still protecting birds against disease. Below, two trials have been reviewed to show how Acti/Vac M48 compares to a competitor's product. This technical page is designed to provide more information on how Acti/Vac M48 can protect birds without adversely affecting production. The competitor's product will be referred to as Company X.

Trial: Two farms were vaccinated by drinking water with Acti/Vac M48 at 14 days of age. These flocks were compared to other flocks vaccinated with Company X's vaccine given at the same time and by drinking water. The flocks were observed during production. There were no signs of a respiratory outbreak during the trial. Table A shows the performance of the flocks.

Table A

	MBL Acti/Vac (Males)	Company X (Males)	MBL Acti/Vac (Straight-Run)	Company X (Straight-Run)
Livability	98.2	97.5	98.4	97.5
Total Condemnation	0.6%	1.9%	0.8%	1.2%
Average Weight	4.31	3.93	3.90	3.70
Feed Conversion	2.02	2.03	2.05	2.08

Discussion: Acti/Vac M48 produces immunity against IBV without causing excessive production losses. On both farms, the Acti/Vac M48 vaccinated birds had better livability, less condemnation (unhealthy birds), higher body weight and better feed conversion (less feed per pound of meat).

Conclusion: Although protection against disease is the ultimate goal of a vaccine, vaccines that protect birds without adversely affecting performance are most beneficial to producers. Please contact your area manager or for more information on Acti/Vac M48 or any of our other quality products.