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ZIVO Bioscience Reports Additional Findings from Positive 42-Day Coccidiosis Challenge Study

Reduction in intestinal damage enables poultry farms to optimize feed utilization

BLOOMFIELD HILLS, Mich.--(BUSINESS WIRE)-- **Zivo Bioscience, Inc. (OTCQB: ZIVO) (the “Company”)**, a biotech/agtech R&D company engaged in the development of therapeutic, medicinal and nutritional product candidates derived from proprietary algal cultures, announces additional findings from its 42-day coccidiosis challenge study that demonstrate the product’s positive impact on the cost of broiler production as an alternative to commonly-used antibiotics.

ZIVO’s product candidate for use in poultry feed is designed to boost immune response, allowing birds to effectively combat coccidiosis and reduce the negative effects of the disease without the use of antibiotics. These new results, along with earlier findings, further demonstrate the benefits of ZIVO’s product across the broiler production value chain.

ZIVO previously reported the effects of its product on the health of broiler chickens exposed to coccidiosis during the course of a 42-day grow out period, which is typical for the poultry industry. These health benefits included a statistically significant reduction in intestinal damage caused by the *Eimeria* parasite compared with untreated control birds. This improvement in intestinal health following parasite exposure was on par with the market-leading commercial ionophore.

ZIVO now reports that this reduction in intestinal damage enables poultry farms to optimize feed utilization as measured by the Feed Conversion Ratio (FCR), which is the primary driver of profitability. Similar to the outcomes related to intestinal damage, ZIVO’s product resulted in a statistically significant improvement in FCR compared with untreated controls. Further, these results were not statistically different from the market-leading commercial ionophore.

“We are confident that ZIVO’s product will offer poultry producers a novel tool to accelerate the development of the immune system in young birds, thereby mitigating the impact of coccidial infection, reducing intestinal tissue damage and fostering overall animal health and well-being to maximize profitability. As we further analyze the results of our most recent 42-day challenge study, we are finding that our coccidiosis treatment candidate exhibits the potential to revolutionize the industry by achieving significantly improved poultry outcomes at cost parity or better. We believe these findings will facilitate and expand dialogues with potential partners in the agriculture and animal health industries,” said John Payne,

Chairman and Chief Executive Officer of ZIVO Bioscience.

About Coccidiosis

Coccidiosis is a protozoal disease that causes diarrhea, weight loss, decreased performance and increased mortality in poultry. This disease represents a significant economic challenge for the global poultry industry, as indicated by a 2020 study that estimated annual costs ranging from \$10 billion to \$17 billionⁱ. Products for treating coccidiosis are mostly antibiotic- or ionophore-based, and no significant new commercial technology has been introduced in the past 60 years. The global poultry industry spends more than \$1.5 billion annually on coccidiosis control, primarily using decades-old compounds that industry and consumers alike wish to replace due to the risks of developing drug resistance. Coccidiosis is a common disease for chickens, especially among young chicks, and can be fatal or result in compromised digestion.

About ZIVO Bioscience

ZIVO Bioscience is a research and development company with an intellectual property portfolio comprised of proprietary algal and bacterial strains, biologically active molecules and complexes, production techniques, cultivation techniques and patented or patent pending inventions for applications in human and animal health. Please visit www.zivobioscience.com for more information.

Forward Looking Statements

Except for any historical information, the matters discussed in this press release contain forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934, including with respect to the Company's product candidate's potential to generate revenues and the expected time frame for results of future studies. Words such as "expects," "anticipates," "intends," "plans," "believes," "seeks," "estimates" and similar expressions or variations of such words are intended to identify forward-looking statements. Although ZIVO believes that we have a reasonable basis for each forward-looking statement, we caution you that these statements are based on a combination of facts and factors currently known by us and our expectations of the future, about which we cannot be certain. Our actual future results may be materially different from what we expect due to factors largely outside our control, including risks that our strategic partnerships may not facilitate the commercialization or market acceptance of our products; risks that we will be unable to increase production sufficient to meet our expected demand; risks that our products may not be ready for commercialization in a timely manner or at all; risks that our products will not perform as expected based on results of our pre-clinical and clinical trials; our ability to raise additional funds; uncertainties inherent in the development process of our products; changes in regulatory requirements or decisions of regulatory authorities; the size and growth potential of the markets for our products; the results of clinical trials, our ability to protect our intellectual property rights and other risks, uncertainties and assumptions, including those described under the heading "Risk Factors" in our filings with the Securities and Exchange Commission. These forward-looking statements speak only as of the date of this press release and ZIVO undertakes no obligation to revise or update any forward-looking statements for any reason, even if new information becomes available in the future.

ⁱ Blake, D.P., Knox, J., Dehaeck, B. *et al.* Re-calculating the cost of coccidiosis in chickens. *Vet Res* 51, 115 (2020). <https://doi.org/10.1186/s13567-020-00837-2>

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