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**FOUR-WEEK REPEATED INTRAMUSCULAR TOXICITY STUDIES
OF A NEW TSUTSUGAMUSHI VACCINE, MBRI-98305R IN
BEAGLE DOGS**

Hyeong-Jin Ji, Yong-Woo Roh, Ji-Soon Sin, Eun-Yong Jung, Hu-Song Zhang, Zai-Zhi Huang, Mei-Shu Zheng, Ehn-Kyung Choi, Dae-Joong Kim, and Jong-Koo Kang

College of Veterinary Medicine, Chungbuk National University, Cheongju 361-763, Korea

This study was designed to evaluate a repeated dose toxicity of a new tsutsugamushi vaccine, MBRI-98305R in 4-month-old beagle dogs. Animals were intramuscularly injected with dosages of 283, 56.6, 14.15 and 0 $\mu\text{g}/\text{kg}$ everyday for 4 weeks, respectively. There were no dose-related statistical significant changes in clinical signs, body weight changes, food or water consumption, ophthalmoscopy, hematological findings and biochemical examination of all animals treated with MBRI-98305R. Gross and histopathological findings revealed no evidence of specific toxicity related MBRI-98305R. From these results, we suggest that no toxic dose level of MBRI-98305R in beagle dogs is over 283 mg/kg /day.