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FOUR-WEEK INTRAVENOUS TOXICITY EVALUATION OF RECOMBINANT HUMAN ERYTHROPOIETIN, YHB216 IN BEAGLE DOGS

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To investigate the safety and toxicity of a recombinant human erythropoietin, YHB216, we performed 4-week repeated dose toxicity test in 4-month-old Beagle dogs. We injected intravenously everyday for 28 days with dosages of 0, 500, 2,500 and 12,500 I.U/kg body weight. There were not observed clinical signs or mortality in the animals treated with YHB216. There were no significant changes in body weight, feed, or water consumption. There were no significant differences in gross findings, relative and absolute organ weights, hematological and biochemical parameters. All biological values had normal ranges and were not related with dose of the drug administration. From these results, we suggest that no toxic dose level of YHB216 is more than 12500 I.U/kg body weight/day in beagle dogs.