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Toxicology and Safety Measures of *Weissella cibaria* Strain CMU in Animal Toxicity and Genotoxicity

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W. cibaria CMU is being developed for use in human food and dietary supplements. Results of previous studies indicate that the strain is susceptible to common antibiotics, with the possible exception of kanamycin and vancomycin, but does not transfer resistance of these antibiotics to other bacteria. Genetic analysis con rmed that antibiotic resistance to kanamycin is an intrinsic characteristic of *W. cibaria* and is not unique to *W. cibaria* CMU. Additional studies performed by Kang et al. [1] showed that *W. cibaria* CMU does not harbor virulence

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References

1. Kang MS, Yeu JE, Hong SP (2019) Safety evaluation of oral care probiotics *Weissella cibaria* CMU and CMS1 by phenotypic and genotypic analysis. Int J Mol Sci 20: 2693.
2. Jang HJ, Kang MS, Yi SH, Hong JY, Hong SP (2016) Comparative study on the characteristics of *Weissella cibaria* CMU and probiotic strains for oral care. Molecules 21:1752.
3. Chung J, Kang MS, Kim SM, Yang KH, Oh JS (2006) Efect of *Weissella cibaria* isolates on the formation of *Streptococcus mutans* biofIm. Caries Res 40: 418-425.
4. Lee DS, Lee SA, Kim MS, Nam SH, Kang MS (2020) Reduction of halitosis by a tablet containing *Weissella cibaria* CMU: a randomized, double-blind, placebo-controlled study. J Med Food 23: 649-657.
5. Kang MS, Lee DS, Lee SA, Kim MS, Nam SH (2020) Efects of probiotic bacterium *Weissella cibaria* CMU on periodontal health and microbiota: a randomized, double-blind, placebo-controlled trial. BMC Oral Health 20: 243.