

Review of: "M-cell targeting acid-resistant oral vaccine delivery for immunization against Hepatitis B infection using cationic solid lipid nanoparticles"

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Potential competing interests: No potential competing interests to declare.

This manuscript describes the HBsAg containing nanoparticle production and antibody responses in the saliva, serum and intestinal secretion of mice. However, the age and body weight of the mice were not mentioned to understand whether immunization was in adult or in other age group. In collection of blood and fluid in the methodology section: usually samples are stored either at -20 or -80°C depending on the time period researchers want to analyze the samples. What is the rationale of using -40°C in this study?

Last para of this section is also not written elaborately, especially about intestinal lavage. Please elaborate and clarify how intestinal lavage was administered. If gavage tube was used please mention the size. It is also not clear how intestinal secretion was collected.

In Discussion, Para 3 Line 5-7: Not clear about the statement because no data were presented about M cell integrity in the result section. As, there were no data about M cell in the result section, the title and the statements related to M cells should be amended.