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Authors: Ashima Sharma, Tapan K. Chaudhuri



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Physicochemical characterization of *E. coli*-derived human serum albumin and its comparison with the human plasma counterpart reveals it as a promising biosimilar

Ashima Sharma¹, and Tapan K. Chaudhuri*

From Kusuma School of Biological Sciences, Indian Institute of Technology Delhi,

Hauz Khas, New Delhi-110016, India

*To whom correspondence should be addressed:

Dr. Tapan K. Chaudhuri,

Email: tkchaudhuri@bioschool.iitd.ac.in, tapanchaudhuri@hotmail.com

Tel: 91-11-2659-1012,

Fax: +91-11-2659-7530

Highlights

- Enhanced functional preparation of recombinant human serum albumin in an alternative source *E. coli*.
- Detailed physicochemical characterization and investigation of stability and shelf life aspects of *E. coli*-derived HSA.
- Comparison of these properties with the human plasma derived protein (pHSA).
- *E. coli*-derived rHSA- an ideal biosimilar to its naturally occurring counterpart pHSA.

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