

ELISA for Ferritin as marker for assessing bioavailability of iron using Caco-2 cell

Salient features of the technology:

- Iron bioavailability testing kit for measuring ferritin as a surrogate marker of iron bioavailability in Caco-2 cells.
- Accurate and convenient method for estimating the iron levels.
- Ferritin levels in population can be a useful indicator to define the cause and stage of anemia.
- This technology can be used in agriculture biotechnology for screening biofortified staple crops.
- The tool has tremendous applications in food industry, for screening beverage premixes, fortified foods (fortified biscuits, flour and rice).
- The method has been developed on a laboratory scale.
- An Indian Patent Application no. (1927/DEL/2013) has been filed.
- This technology has been developed by NIN, Hyderabad (an ICMR Institute).