

3-3-5. Purification and Characterization of the Ferritin for the Larvae of *Bombyx mori*.

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Ferritin, an iron-storage protein, was partially purified from the hemolymph of *Bombyx mori* by 3 steps, KBr density gradient ultracentrifugation, gel permeation chromatography (Superdex) and reversed phase chromatography (Resource RPC) using fast performance liquid chromatography (FPLC) system. The detection of ferritin was performed by Ferene S stain. Native molecular mass of ferritin was estimated as 660 kDa by Native PAGE. The partially purified hemolymph ferritin is composed of 3 subunits and molecular masses of each subunits were determined as about 24 kDa, 26 kDa, and 28 kDa, respectively using SDS-PAGE.