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Male Specific Protein in the Hemolymph of Greater Wax Moth, Galleria mellonella L.

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Male specific protein(MSP) in adult male hemolymph of Galleria mellonella L. was actively synthesized from fat body of adult male insect. And also there is MSP in adult testis, but it was not synthesized from that organ. In this study, we investigated the location of MSP in adult testis by immunogold labelling using antiserum against MSP. MSP was present in intercyst substance between cysts, specifically. And it was not uptaken through testicular sheath but through testicular tubules from fat body.

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Purification and Characterization of Biliverdin-binding Protein(BP) from Hemolymh of *Helicoverpa assulta*

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The Biliverdin-binding protein(BP) of the oriental tabacco budworm *Helicoverpa assulta*, has been isolated from hemolymph of last instar larva, by ultracentrifugation with different density gradient and DEAE cellulose ion exchange chromatography. The concentration changes of BP in each stages reached high just before ecdysis and decreased after ecdysis and it disappeared in pupa and adult. Difference of cuticular color according to diet was not related to BP concentration and had direct relation with only biliverdin concentration.