

## IDENTIFICATION OF GLUCOSIDASES ISOLED FROM MOLLUSC *Thais Haemastoma*

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This work had the purpose of to analyze and to identify endo - and exoenzymes involved in degradation of glycosaminoglycans sulfates, present in invertebrate as the mollusc *Thais Haemastoma*. This fact and the abundance of this mollusc in the Brazilian northeast coast, led us to search for the presence of the enzymes involved in the degradation of these glycosaminoglycans in the mollusc tissues. The enzymatic extracts were obtained from *Thais Haemastoma* using 0.1M sodium acetate buffer, pH 5.0 at 4<sup>o</sup> C. The enzymatic suspension was fractionated in ammonium sulfate in two different concentrations (F<sub>1</sub>= 0–50% and F<sub>2</sub>=50–80%). Enzymatic activities were measured with p-nitrophenil derivatives. The F<sub>1</sub> extract underwent a new fractionation using Bio-Gel A 0.5M. The enzymatic activities tested showed a certain degree of purification. These results suggest that a certain degree of purification was obtained and that we were able to show the characterization of glucuronidases activities.

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**Key words:** *Thais Haemastoma*; Glycosaminoglycans sulfates; Glucuronidases