CHAPTER III

OBJECTIVES
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As has been pointed out in the introduction, HS is a major problem for the farmers and agriculturists. It is, therefore, necessary that they are provided with a vaccine which will sufficiently immunise their animals against this disease. The vaccines that are currently available have more drawbacks than advantages. An attempt was made to evolve a vaccine which would be having the following qualities:

1) Afford immunity for a duration of at least one year.
2) Easy to administer under field conditions.
3) Economical in production.

Various workers have shown that the P-52 strain of \textit{P.\textit{multocida}} is responsible for causing outbreaks in the country. Methods that are currently employed in the vaccine manufacture are long outdated. An attempt has not been made to ensure the minimum amount of protein essential to be present in a dose to afford immunity in the vaccinated animals.

During the study, attempts were made to evaluate the different fractions of \textit{P.\textit{multocida}} to determine, whether they could be possibly employed in vaccine production.