

INDEX

	<u>Title</u>	<u>Page</u>
Chapter 1	<u>Introduction</u>	
1.1	Introduction to the problem	01
1.2	Nature of selection procedure	11
1.3	A selection problem in bioassay	16
Chapter 2	<u>Selection from K normal populations based on means</u>	
2.1	Introduction	21
2.2	Computation of $P_{(CS/LFC)}$ when variances are equal and known	24
2.3	Computation of $P_{(CS/LFC)}$ when variances are equal but unknown	27
2.4	Computation of $P_{(CS/LFC)}$ when variances are known and unequal	29
2.5	Application of the rules considered earlier for non-normal populations	32
Chapter 3	<u>Selecting the normal population in terms of means based on quantal response data</u>	
3.1	Introduction	38
3.2	Maximum likelihood estimators of log ED50	39
3.3	Selection of normal population with smallest mean based on ED50	52
3.4	Application of the theory	58
