

CONTENTS

	Page
1. Introduction and Aim of The Work	1
2. Review of Literature	2
I. Nomenclature and classification	2-19
II. Epidemiology of salmonella infections	19-29
III. Critical factors in performing blood cultures	30-35
IV. Isolation of Salmonella by different blood culturing techniques	35-39
V. Isolation of Salmonella by stool culture	39-45
VI. Treatment of Enteric Fever	45-46
3. Patients and Methods	47-52
4. Appendix for Materials	53-54
5. Results	55-70
6. Discussion	71-79
7. Summary and Conclusion	80-82
8. References	83-99
Arabic Summary	

LIST OF TABLES

Table No.	Page
1. Results of routine investigation including conventional blood culture and widal test done in 191 typhoid cases.....	56
2. The relation between results of conventional blood culture and widal test in 191 typhoid cases.....	57
3. Salmonella typhi somatic Antibodies (T.O) and flageller antibodies (T.H) Titres Among 191 typhoid cases Examined by widal test.....	58
4. Comparison between isolation rates of salmonella strains from 112 studied cases using conventional blood culture and isostate culture techniques.....	58
5. Comparison between isolation rates of salmonella strains from 100 studied cases using conventional blood culture & Bile streptokinase culture.....	59
6. Comparison between rates of isolation of salmonella strains using different blood culturing technique within 7 days incubation.	60
7. Average time consumed by culture techniques related to that of conventional blood culture.....	61
8. Salmonella strains isolated by stool culture from 60 typhoid cases in relation to history of fever before hospitalization.....	61
9. Sensitivity of various Laboratory Culture Techniques.....	62
10. Antibiotic sensitivity pattern of (127) isolated salmonella strains.	62

LIST OF FIGURES

Figures No.	Page
1. Isolation of Salmonella Typhi conventional Blood culture and Widal test.....	63
2. Incidence of Antibodies Against Salmonella typhi somatic (TO) and Salmonella typhi Flageller (TH) Using Widal Test	64
3. Isolation of Sensitivity of Salmonella strains on different blood culture media and Related Percentage.....	65
4. Isolation of Salmonella Typhi strain using Blood agar culture and Bile streptokinase culture	66
5. Isolation Rate of Salmonella Strains on different Blood Culture through out 7 Days.....	67
6. Salmonella strains isolated using stool culture in relation to the history of fever.....	68
7. Evaluation of culture media sensitivity to growth of Salmonella strains	69
8. Antibiotic sensitivity pattern of salmonella strains.....	70