

Introduction (F. Přecechtěl)	3
Principles of health protection and safety rules at work in a microbiologic laboratory (F. Přecechtěl)	4
Principal microbiological procedures (M. Votava, V. Obdržálek, R. Buček)	5
Theme No. 1 Microscopic demonstration of bacteria - wet-mount and simple staining (R. Buček)	14
Gram's staining (R. Buček)	15
3 Cultivation of bacteria (V. Obdržálek)	17
4 Identification of bacteria according to biochemical activity (V. Obdržálek)	21
5 Experiments with animals (V. Obdržálek)	24
6 Effects of physical and chemical factors on microbes (V. Obdržálek)	26
7 Determining bacterial sensitivities to antimicrobial substances (P. Ondrovčík)	29
8 Precipitation reaction (M. Votava)	32
9 Agglutination reaction (M. Votava)	35
10 Complement-fixation test (M. Votava)	39
11 Some special serological techniques (M. Votava) ..	42
12 Laboratory diagnostics of staphylococci (V. Obdržálek)	46
13 Laboratory diagnostics of neisseriae (R. Buček)	49
14 Laboratory diagnostics of streptococci and ente- rococci (R. Buček)	51
15 Laboratory diagnostics of haemophili, Pseudomonas aeruginosa, Corynebacterium diphtheriae and Francisella tularensis (R. Buček)	55
16 Laboratory diagnostics of enterobacteria (R. Buček)	58
17 Laboratory diagnostics of anaerobic bacteria (R. Buček)	62
18 Laboratory diagnostics of tuberculosis (M. Votava)	65
19 Laboratory diagnostics of syphilis (M. Votava)	67
20 A survey of bacteriological diagnostics (R. Buček)	69
21 Laboratory demonstration of mycotic infections (M. Votava)	70
22 Direct demonstration of viruses (M. Votava) ..	73
23 Indirect demonstration of viral infections (M. Votava)	75
24 Clinical microbiology I (R. Buček)	79
25 Sampling and transport of material (Clinical microbiology II) (v. Obdržálek)	85
26 Laboratory diagnostics of parasitic diseases (V. Obdržálek)	88
Supplementary theme - Molecular Biology Methods (V. Růžička)	91
Contents	93

