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Autore	Meah M. S (Mohammed Shahabu)
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Nota di contenuto	Essential Laboratory Skills for Biosciences; Contents; List of Figures; List of Tables; Acknowledgements; Introduction; Health and Safety; 1 Measurements and Calculations; 1.1 Units and measurements; 1.2 Measuring the volumes of liquids; 1.3 Pipetting; 1.4 Weighing; 1.5 Calculations; 2 Preparing Solutions; 2.1 Common terms defining solutions; 2.2 Precautions in making solutions; 2.3 Making solutions; 2.4 Dilutions to prepare standard solutions; 2.5 Molar solutions; 2.6 Calculations involving solutions; 3 Separation of Liquids and Solids; 3.1 Filtration; 3.2 Centrifugation; 3.3 Chromatography 3.4 Electrophoresis 4 Common Techniques and Equipment; 4.1 Titration; 4.2 Spectrophotometry; 4.3 Aseptic techniques; 4.4 Disinfectants; 5 Microscopy and Histology; 5.1 Light microscopy; 5.2 Slide preparation; 5.3 Cell Counting; 6 Cardiorespiratory Measurements; 6.1 Techniques to investigate cardiovascular function; 6.2 Techniques to investigate respiratory function; 7 Recording and Presenting Data; 7.1 Keeping a laboratory book; 7.2 Presentation of data; 7.3 Recording data in tables; 7.4 Presenting data in graphs; 7.5 Describing data statistically; Recommended Reading

Appendix 1: Rules for Powers Appendix 2: Rules for Logarithms;
Appendix 3: Factors to Consider When Making Solutions; Appendix 4:
Principle of Spectrophotometry; Appendix 5: Descriptive Statistics and
Formulae; Appendix 6: Using Software to Draw Tables, Graphs and
Calculating Descriptive Statistics; Index

Sommario/riassunto

Essential Laboratory Skills for Biosciences is an essential companion during laboratory sessions. It is designed to be simple and give clear step by step instructions on essential techniques, supported by relevant diagrams. The book includes the use of particular equipment and how to do simple calculations that students come across regularly in laboratory practicals. Written by experienced lecturers this handy pocket book provides: Simple to follow laboratory techniques Clear use of diagrams and illustrations to explain techniques, procedures and equipment Step by step wo
