

## Table of Contents

|  |            |
|--|------------|
| Preface .....  | v          |
| <b>1 Choice of adequate sample material .....</b>  | <b>1</b>   |
| <i>Holger F. Rabenau; Reinhard B. Raggam; Helmut J.F. Salzer</i>                                   |            |
| <b>2 Stability of the specimen during preanalytics .....</b>                                       | <b>25</b>  |
| <i>Georg Endler; Georg Slavka</i>  |            |
| <b>3 Quality assurance and quality control in the routine molecular diagnostic laboratory.....</b> | <b>35</b>  |
| <i>Reinhard B. Raggam; Harald H. Kessler; Holger F. Rabenau</i>                                    |            |
| <b>4 Extraction of nucleic acids .....</b>   | <b>47</b>  |
| <i>Harald H. Kessler</i>   |            |
| <b>5 Amplification and detection methods .....</b>   | <b>53</b>  |
| <i>Stephen A. Bustin; Harald H. Kessler</i>  |            |
| <b>6 Interpreting and reporting molecular diagnostic tests.....</b>                                | <b>67</b>  |
| <i>Ranjini Valiathan; Deshratn Asthana</i>   |            |
| <b>7 Human immunodeficiency virus.....</b>   | <b>77</b>  |
| <i>Jacques Izopet</i>  |            |
| <b>8 Hepatitis viruses.....</b>  | <b>91</b>  |
| <i>Dieter Hoffmann; Korinna S. Nadas; Ulrike Protzer</i>   |            |
| <b>9 Pathogens relevant in transplantation medicine .....</b>                                      | <b>101</b> |
| <i>Marco Ciotti; Harald H. Kessler</i>   |            |
| <b>10 Pathogens in lower respiratory tract infections.....</b>                                     | <b>115</b> |
| <i>Margareta Ieven; Katherine Loens</i>  |            |
| <b>11 Molecular diagnosis of gastrointestinal pathogens .....</b>                                  | <b>135</b> |
| <i>Corinne F.L. Amar</i>   |            |
| <b>12 Pathogens relevant in the central nervous system.....</b>                                    | <b>155</b> |
| <i>Helene Peigue-Lafeuille</i>   |            |
| <b>13 Pathogens relevant in sexually transmitted infections.....</b>                               | <b>177</b> |
| <i>Suzanne M. Garland; Sepehr N. Tabrizi</i>   |            |
| Index .....  | 185        |