



# 6

## Molecular Analysis and Interpreting Molecular Data

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### Chapter summary

This chapter has sought to:

- Distinguish between qualitative, semi-quantitative, and quantitative analysis of samples.
- Provide examples and explain the application of bioinformatic algorithms to data obtained from homogenate preparations for DNA and RNA analysis.
- Describe qualitative and semi-quantitative analysis methods for intact cell and tissue samples for nucleic acids and proteins.
- Discuss the application of telepathology and image capture, and analysis for diagnosis without the need for microscopy.