Introduction of FIND/ASLM PCR Guide

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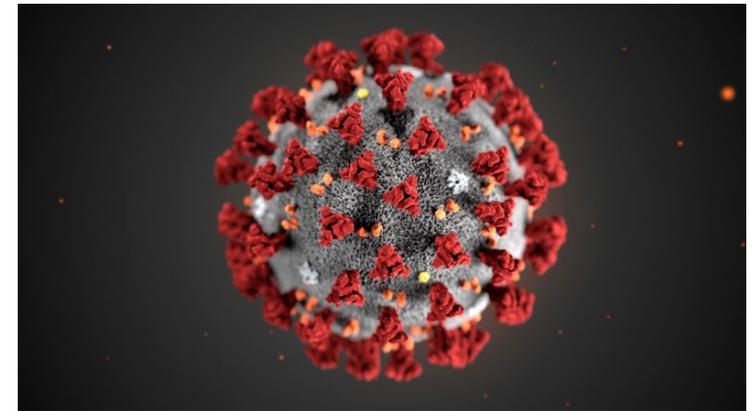
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Introduction

- Molecular testing is used to detect viral genomic material, which in the early stages of infection is indicative of the presence of actively replicating virus.

- Two types of molecular testing platforms:
  - **Closed systems**
    - Proprietary test systems; all accessories sourced from the manufacturer
    - Standardized procedures for testing, but may not be able to be programmed to use test accessories sourced from different manufacturers
  - **Open systems**
    - Able to accommodate different kinds of tests from multiple manufacturers

- The ability to develop and validate tests "in-house" using open systems positions a laboratory to respond more quickly to outbreaks of emerging pathogens

- Provide guidance on the development of a new, in-house, real-time RT-PCR test for SARS-CoV-2

- Information in guide also provides a roadmap for the development of new molecular diagnostic tests for other emerging pathogens

- Considerations for constraints of resource-limited laboratories

- Available in multiple languages (EN, FR, PT)

Source: https://www.finddx.org/reports-and-landscapes/in-house-test-development-for-molecular-detection-of-sars-cov-2-en-fr-pt/
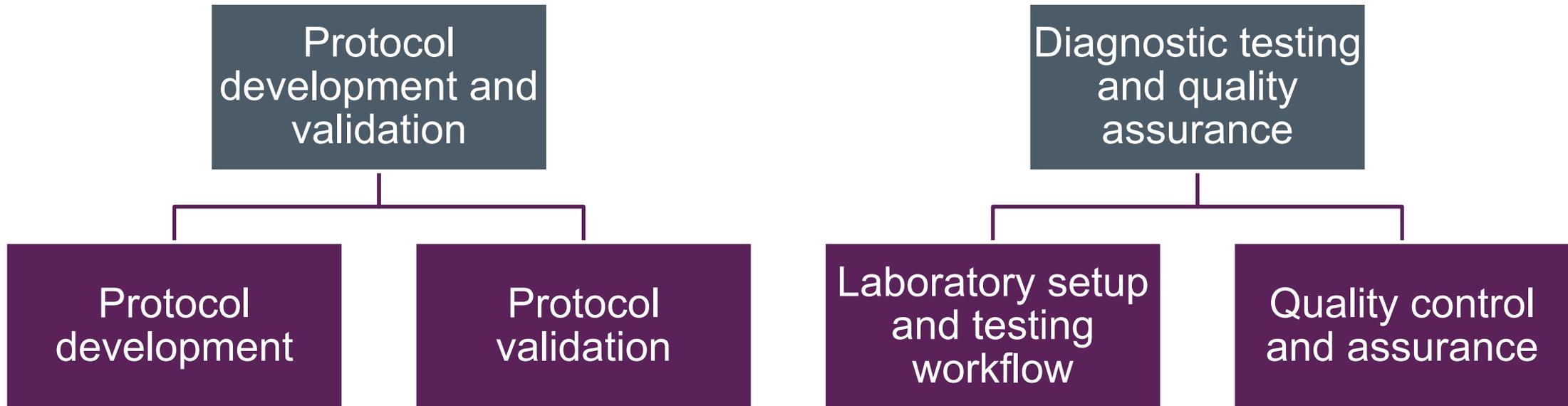
Protocol development and validation
- Protocol development
- Protocol validation

Diagnostic testing and quality assurance
- Laboratory setup and testing workflow
- Quality control and assurance

■**ASLM online course**

– Part of **ASLM Academy:** https://aslm.org/aslm-academy/

– **Goal of the course:** Provide more in-depth, detailed training on test development and validation for molecular detection of SARS-CoV-2

■**Register here:**
https://docs.google.com/forms/d/e/1FAIpQLSdMY3JQYUWlEeBDpOdbSQo85JZW5_-gVAx2ZIv9LTI-TWsuOQ/viewform

■ **Course certificate**: a certificate will be issued on successful completion.

■ **Free:** for qualifying candidates

Thank you

www.finddx.org