

Quality Control



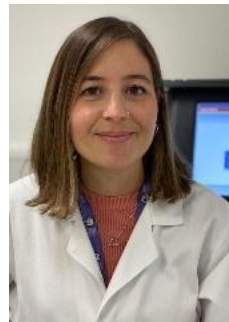
Qubit

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Learning outcomes

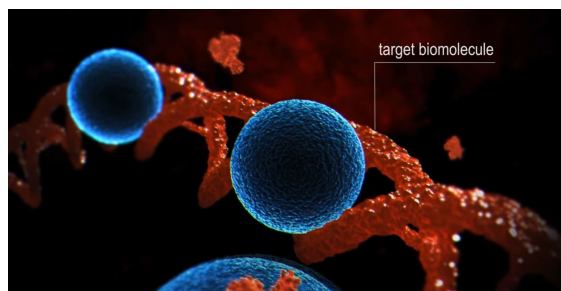
You will learn:

1. How the Qubit works

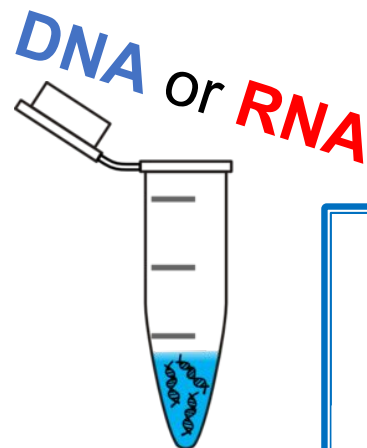
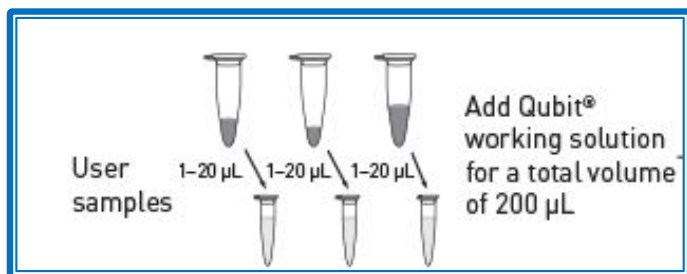
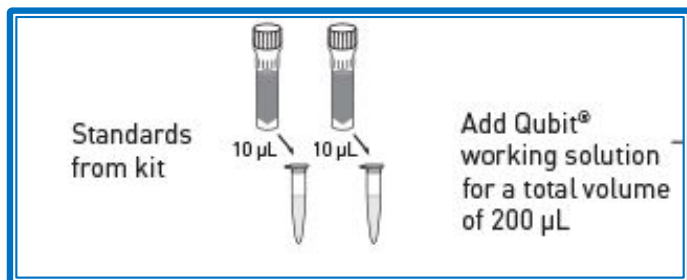


QUBIT

- **Fluorescent dye-based quantitation** method
- Fluorescent dye binds specifically DNA or RNA:
when excited □ light emission
- Higher the signal is, higher the concentration is!



QUBIT



DNA Broad Range	2–1,000 ng
HS DNA	0.2–100 ng
RNA Broad Range	20–1,000 ng
HS RNA	5–100 ng

ng/ μ L



- More sensitive and accurate
- Good for PCR, NGS



- No information about purity
- No information about integrity

