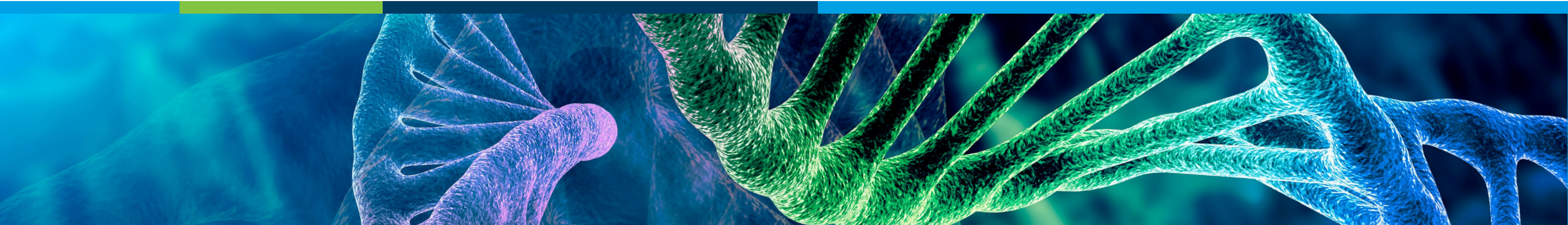


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Trusted Answers



# Sample Quality Control for Nucleic Acid Analysis Workflows

# The Importance of Sample Quality Control for NGS and Biobank Workflows

Knowing nucleic acid integrity and quantity supports research success in NGS and Biobank applications.



# Ensure Integrity of Your Nucleic Acid Samples

Understanding the integrity and quantity of your nucleic acid samples can help maximize analytical success.

Sample quality metrics help you to identify and use only those samples that are within your specifications for successful downstream applications. An objective quality metric is calculated by nucleic acid fragment size, integrity, and concentration. It ranks the DNA or RNA fragments on a scale of 1 to 10.



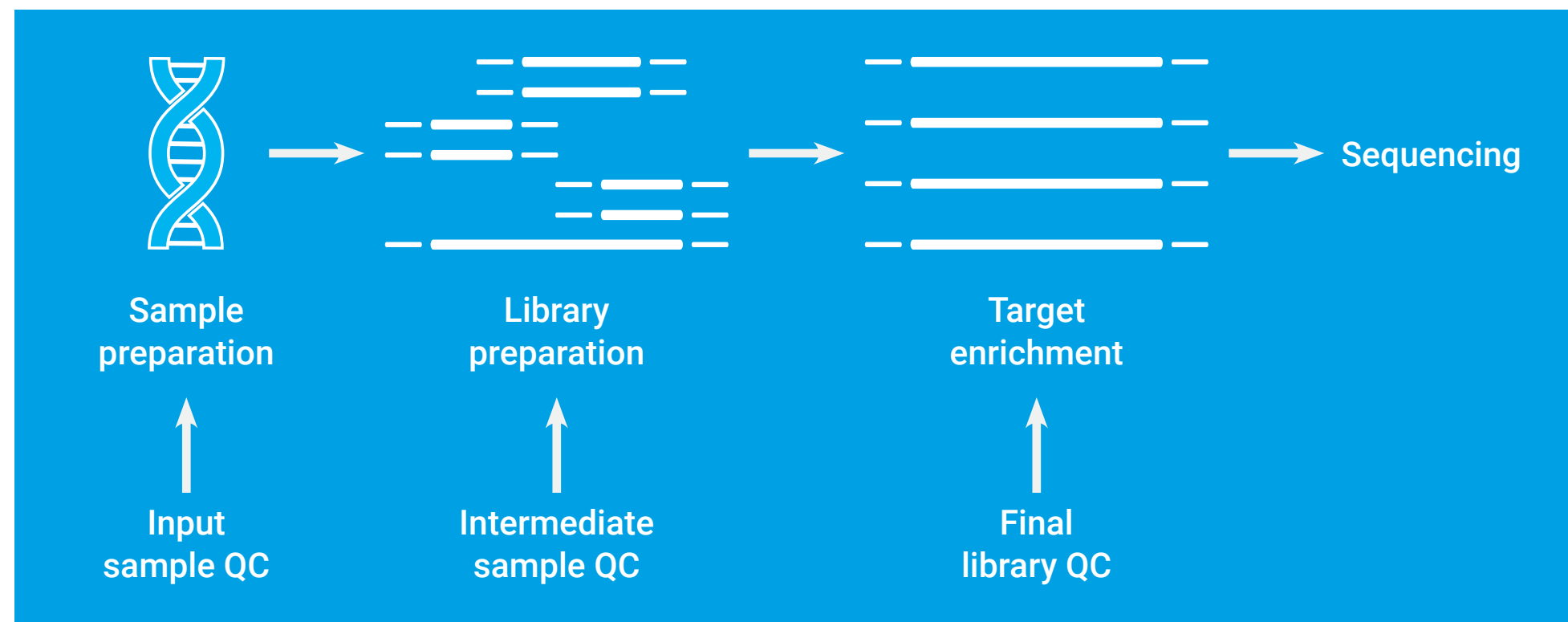
# Which Quality Metric is the Best for Your Sample?

Whether you are working with gDNA, cfDNA, or RNA, you can find a quality metric suited to your application. Explore each of the quality metrics below and learn about their use in sample quality control on automated electrophoresis instruments.



# Sample QC Steps for NGS Workflows

Performing sample QC before, during, and after library preparation delivers valuable information, and each data point is key to your overall success. Click on each of the steps in the graphic below to discover how sample QC can help you optimize your NGS workflow:



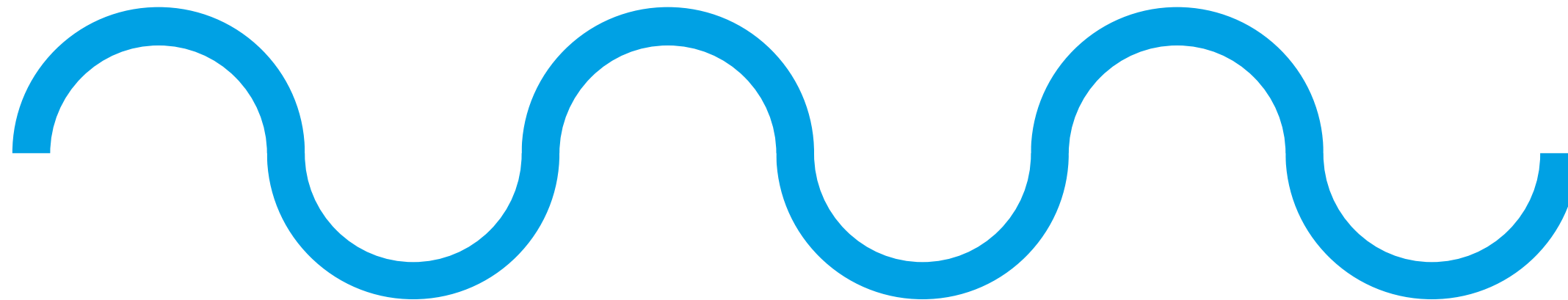
# NGS Quality Metric Examples

Leverage meaningful, objective quality metrics designed for your application, sample type, preparation method, and sequencing approach. Explore and download the application note or technical overview of each data set to read the details.



# Quality Metrics for the Biobank Sample Lifecycle

Ensure your collaborators receive the quality samples they expect by integrating sample quality control throughout the biobank sample lifecycle.



# Biobank Quality Metric Examples

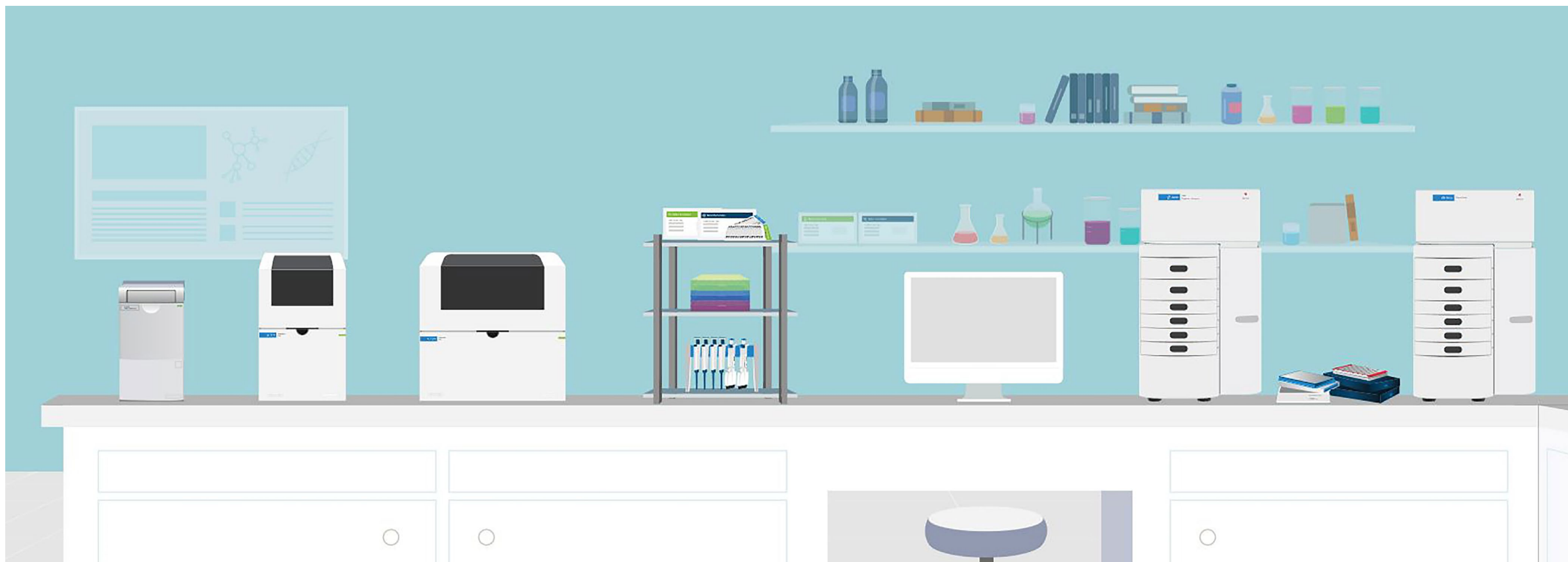
Sample quality control helped three biobanks support research excellence and service their collaborators with highest-quality samples. Download the application notes below and discover how they achieved success with sample QC.





# Advance Your NGS and Biobanking Outcomes

The Agilent automated electrophoresis portfolio offers multiple solutions to help you easily implement sample quality control in your NGS and biobank workflows and deliver reliable results.



# Resources | Contact Information

Learn more about sample quality metrics.

Explore data examples for NGS sample QC.

Explore more resources for biobank sample QC.

Visit the sample QC interactive lab.

You have questions on NGS sample QC? [Contact us!](#)

You have questions on Biobank sample QC? [Contact us!](#)

Connect with us

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