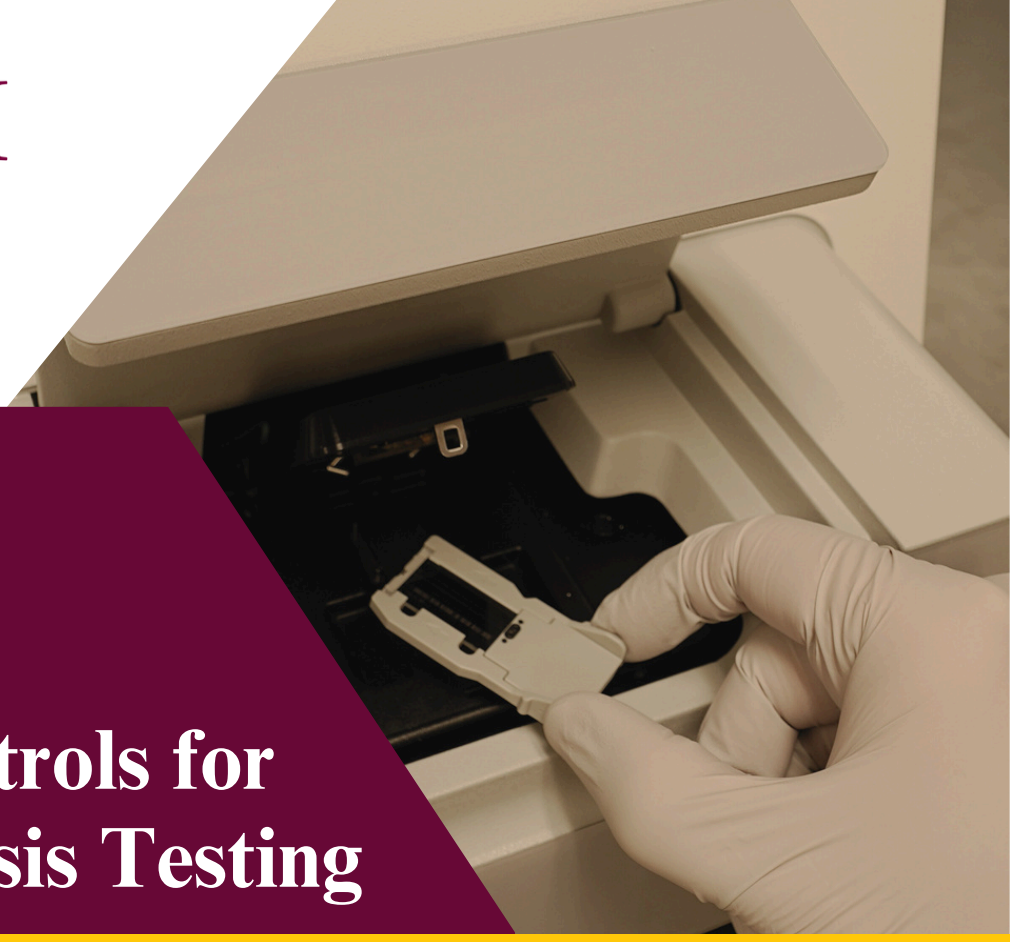
MMQCI
MAINE MOLECULAR
QUALITY CONTROLS, INC.



Quality Controls for Cystic Fibrosis Testing

Cystic fibrosis (CF) is a genetic disease caused by mutations in the cystic fibrosis transmembrane conductance regulator (CFTR) gene, leading to a buildup of thick, sticky mucus causing damages to the lungs, digestive system and other organs. Symptoms can vary and early diagnosis and treatments are critical for improving quality of life, preventing complications, and increasing life expectancy.

PATIENT-LIKE

Designed to resemble characteristics of a human specimen, resulting copy number of the artificial CFTR segment will be similar to that found in a patient sample

MULTI-PURPOSE

Can be used for routine monitoring of test systems, validation, verification, proficiency assessment, and training procedures

PROTECT

Assists the laboratory in identifying shifts, trends, and increased frequency of random errors caused by variations in the test system

REPRODUCIBLE

Manufactured according to current Good Manufacturing Practice (cGMP) designed to provide your lab with controls that are reproducible lot to lot

Maine Molecular Quality Controls, Inc. | 23 Mill Brook Road, Saco, ME 04072, USA

www.mmqci.com info@mmqci.com 207-885-1072 207-885-1079

Cystic Fibrosis Extractable Controls

INTROL® CF Panel I Control v.02 (38 CFTR mutations)

Catalog No.: G106ac-1
Kit Contains: 3 bottles, 1 each of a, b, c x 1 mL
Catalog No.: G106ac
Kit Contains: 3 bottles, 1 each of a, b, c x 2 mL

*Designed and tested on Luminex xTAG CF39 IVD **

INTROL® CF Panel II Control (54 CFTR mutations)

Catalog No.: G110-1
Kit Contains: 3 bottles, 1 each of a, b, c x 1 mL
Catalog No.: G110
Kit Contains: 3 bottles, 1 each of a, b, c x 2 mL

*Designed and tested on Luminex xTAG CF39 IVD and xTAG CF39-CE **

INTROL® CF Panel III Control (79 CFTR mutations)

Catalog No.: G115-1
Kit Contains: 4 bottles, 1 each of a, b, c, d x 1 mL
Catalog No.: G115
Kit Contains: 4 bottles, 1 each of a, b, c, d x 2 mL

*Designed and tested on Luminex xTAG CF60 IVD and xTAG CF71-CE **

**The above 3 QC panels can also be used with other assays.*
Please contact MMQCI to ask about compatibility with your CFTR assay.

Extractable Controls

These products are intended to be extracted and analyzed routinely with each Cystic Fibrosis test run.

Process Monitoring

Uniquely designed to be carried through the entire testing process, including extraction, amplification, and detection.

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Cystic Fibrosis Non-Extractable Controls (NGS)

NGS CF Control Panel G211 v1.1 (188 variants)

Catalog No.: G211 v1.1

Kit Contains: 6 tubes, 1 of each A, B, C, D, E, F x 50 µL

Designed for use with Illumina TruSight CF 139-Variant Assay and Clinical Sequencing Assay

NGS CF Control Panel G211*plus* (211 variants) COMING SOON!

Now contains All 100 ACMG variants recommended for carrier screening!

COMING SOON

Catalog No.: G211*plus*

Kit Contains: 6 tubes, 1 of each A, B, C, D, E, F x 50 µL

Designed for use with Illumina TruSight CF 139-Variant Assay and Clinical Sequencing Assay

High Quality Controls

Highly multiplexed and well-characterized, all sequences have been validated by bi-directional Sanger sequencing

Variety of Variants

Contain a variety of variants ensuring that all clinically-relevant variant types (such as SNVs, INDELs, or rearrangements) can be detected.

Methods Evaluation

Can be used to evaluate sequencing platforms, library prep methods, and sensitivity & specificity of various bioinformatics pipelines

Performance Monitoring

Monitor the analytical performance of your library preps, sequencing, and data analysis in the identification of variants within CFTR

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