

CF StripAssay[®]

Simple, reliable and cost-effective CFTR mutation detection

- Cystic Fibrosis (CF) is the most common life-limiting autosomal recessive disorder in the Caucasian population
- The disease incidence is estimated to be 1 in 2,500 to 4,000 live births
- Affected children commonly experience decreased pulmonary function along with persistent respiratory infections, pancreatic insufficiency and malnutrition.
- Clinical manifestations vary by severity of the underlying CFTR mutations, ranging from classical CF to the milder forms of CFTR-related disorders
- In newborn screening CFTR genotyping enables early diagnosis and minimizes emotional stress for parents



Increase diagnostic accuracy in individuals suspected of having Cystic Fibrosis

ViennaLab CF StripAssay[®] detects 34 globally common CFTR mutations plus the polyT variant 5T/7T/9T in intron 8

- Simple protocol for complex diagnostic questions
- Manual or automated
- No expensive lab equipment required
- Ready-to-use reagents
- Complete CE-certified kit – includes DNA extraction

CFTR

Cystic Fibrosis Transmembrane Conductance Regulator (CFTR) represents an anion channel which is responsible for the salt-, fluid- and pH-balance in secretory and absorptive epithelial tissues. Mutations in the CFTR gene

lead to dysfunction of chloride transport across cell membranes, and cause production of thick, sticky mucus in multiple organs and increased sweat chloride levels, which are diagnostic for CF disease.

CFTR gene mutations detected by the CF StripAssay®:

CFTRdel2,3 (21kb)	2183AA>G	G85E	R347P
I507del	2184delA	394delIT	A455E
F508del	2184insA	R117H	1898+1G>A
1717-1G>A	2789+5G>A	Y122X	3120+1G>A
G542X	R1162X	621+1G>T	3272-26A>G
G551D	3659delC	711+1G>T	Y1092X(C>A)
R553X	3905insT	1078delIT	3849+10kbC>T
R560T	W1282X	R334W	IVS8 T5/T7/T9
2143delIT	N1303K	R347H	

The three steps of the ViennaLab CF StripAssay®

Step	Requirement
1. Amplification: Multiplex PCR-amplification. Simultaneous biotin-labeling	Thermocycler
2. Hybridization: Directly on the StripAssay® teststrips	Incubator
3. Identification: Labeled products detected by streptavidin-alkaline phosphatase	Naked eye or scanner & software

Cat.no.: CF StripAssay® 4-410 (10 tests/kit)

ViennaLab offers StripAssays® for a wide range of diagnostic applications. Visit www.viennalab.com

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