

ACCURUN® 632, 644, and 676

Synthetic, Genetic Controls for Cystic Fibrosis Research

SeraCare sets a new standard for error detection with the only single-vial controls that cover all mutations in your cystic fibrosis assay

Immediately detect significant errors potentially missed with the use of rotating gDNA control schemes. Run fewer controls and more samples

Features and Benefits

More comprehensive than genomic controls

- All mutations are contained in a single vial, decreasing the number of controls needed, improving quality, and reducing cost
- High purity, large lots, stable materials—no additional processing required

Complete assay mutation coverage

- Controls are formulated to work with Abbott/Celera OLA and Luminex assays, giving positive results for every mutation tested
- Eliminate "no-calls"—only ACCURUN controls contain a mixture of oligonucleotides that produce a call for every mutation tested

The potential for more effective, more efficient QC

- Eliminate errors arising from use of rotating gDNA control schemes with incomplete mutation profiles
 - Run fewer controls and more samples
- Synthetic controls, in conjunction with a wild type genomic DNA control, challenge your entire testing process

Enhanced ability to monitor your lab

- Our independently validated controls monitor instrument performance, simplify QC procedures, and help meet regulatory requirements in an increasingly stringent environment
- SeraCare facilities are ISO 9001 and 13485 certified and comply with cGMP standards

Related SeraCare Products and Services

- Custom whole-cell process controls for use as independent measure of DNA purification and amplification
- A wide range of independent quality control products—serological, nucleic acid, and genetic

CF Mutation Coverage	
Abbott/Celera Cystic Fibrosis Genotyping Assay	ACCURUN 632 all 32 mutations covered
Luminex xTAG™ CFTR IVD Assay	ACCURUN 644 all 47 mutations covered
Luminex xTAG™ CFTR 70+6 Assay	ACCURUN 676 all 81 mutations covered when used in conjunction with ACCURUN 644

SeraCare CF controls are assay specific, giving positive results for every mutation tested.

See reverse side for detailed list of mutations



These controls are manufactured and distributed under an agreement with Molecular Controls, using their methods for design, synthesis, and propagation of reference nucleic acids. Patent #7,425,413



Quality is in our blood

ACCURUN® 632, 644, and 676

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For 15 years, SeraCare has been the name to trust for high quality and custom developed independent controls



Ordering Information

ACCURUN 632		Control covers all 32 mutations in the Abbott/Celera Cystic Fibrosis Genotyping Assay (CF IVD Core OLA)				
Fill Size	100 µL	G85E*	R347H	G542X*	2183AA>G	3876delA
Cat No	A632-1040-P	394delTT	R347P*	S549N	2184delA*	3905insT
		R117H*	A455E*	S549R(T>G)	2789+5G>A*	W1282X*
		621+1G>T*	ΔI507*	G551D*	3120+1G>A*	N1303K*
Fill Size	15 µL	711+1G>T*	ΔF508*	R553X*	R1162X*	
Cat No	A632-1039-P	1078delT	V520F	R560T*	3659delC*	
		R334W*	1717-1G>A*	1898+1G>A*	3849+10KbC>T*	

ACCURUN 644		Control covers all 47 mutations in the Luminex xTag™ CFTR IVD Assay				
Fill Size	100 µL	G85E*	A455E*	A559T	Y1092C>A	N1303K*
Cat No	A644-1040-P	394delTT	ΔI507*	R560T*	M1101K	<u>Variants</u>
		R117H*	ΔF508*	1898+1G>A*	R1162X*	
		Y122X	V520F	1898+5G>T	3659delC*	5T
Fill Size	15 µL	621+1G>T*	1717-1G>A*	2183AA>G	S1255X(exon19)	7T
Cat No	A644-1039-P	711+1G>T*	G542X*	2184delA*	S1255X(exon20)	9T
		1078delT	S549N	2307insA	3849+10kbC>T*	1507V
		R334W*	S549R (T>G)	2789+5G>A*	3876delA	1506V
		R347P*	G551D*	3120+1G>A*	3905insT	F508C
		R347H	R553X*	Y1092C>G	W1282X*	

ACCURUN 676		Control covers 34 mutations, and when used in conjunction with ACCURUN 644, covers all 81 mutations in the Luminex xTag™ CFTR 70+6 Assay				
An extension of ACCURUN 644		E60X	G178R	G480C	2183AA>G	W1089X
Fill Size	100 µL	R75X	L206W	Q493X	K710X	D1152H
Cat No	A676-1040-P	405+3A>C	935delA	1677delTA	Q890X	R1158X
		406-1G>A	ΔF311	1812-1G>A	2869insG	S1196X
		444delA	G330X	G622D	3120G>A	3791delC
Fill Size	15 µL	R117C	R352Q	2055del9>A	3199del6	D1270N
Cat No	A676-1039-P	1148T	S364P	2143delT	R1066C	

* ACMG recommended mutations (Genet. Med. 2004 Sep-Oct; 6(5):387-91). All other mutations or variations are in addition to the ACMG mutation panel

For research use only. Not for use in diagnostic procedures



For more information or to place an order, contact SeraCare customer service at 800.676.1881, or visit our eCatalog at www.seracarecatalog.com