

**SNaPshot® Genotyping** is a primer extension-based technique that enables multiplexing of several single nucleotide polymorphisms (SNPs) at known locations in one single tube.

The chemistry behind this technology is based on the dideoxy single-base extension of unlabeled primer; the primer binds to the complementary template in the presence of fluorescently labelled ddNTPs and AmpliTaq DNA polymerase. The polymerase extends the primer by 1 nucleotide, adding a single ddNTP to its 3' end.

### Services offered

Product No.	Service Name and Description	Turnaround Time
SS3020	Singleplex SNaPshot® assay development <i>Please provide reference SNP ID number, or "rs" ID number from NCBI.</i>	1 to 2 weeks
SS3021	SNaPshot® reaction, clean-up and followed by Fragment Analysis with Run Report	1 week
SS3022	SNaPshot® Ready-to-Load by Fragment Analysis with Run Report	2 working days
SS3023	PCR Reaction using the Optimized Protocol obtained from SS3020 Includes all PCR reagents and Purification	3 to 5 working days

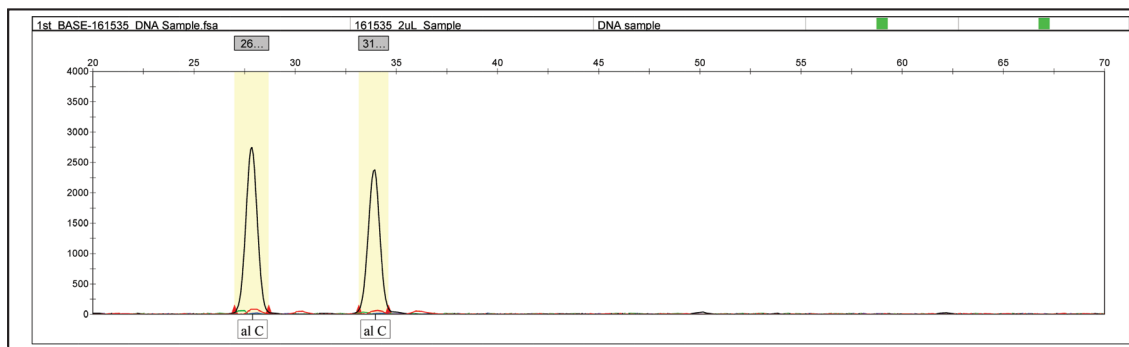
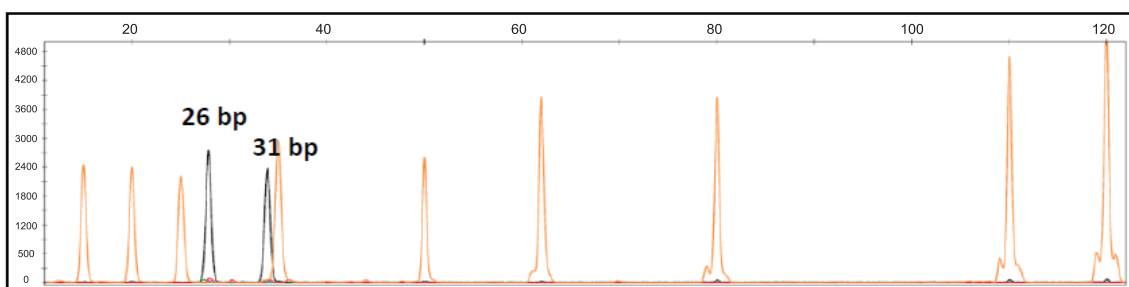
### Data Output

Soft copies of .fsa file and .pdf Run Report will be sent through e-mail. Print-outs of coloured of .fsa file and Run Report available at separate charge. Please enquire.

Run Fragment Analysis on ABI Sequencer and analyze the results using GeneMapper v4.0 software.

Genotypes	Fluorescence	
	CFTRxon5	CFTRxon11
wt/wt	31C (Black)	26C (Black)
wt/mutant	31C (Black) and 31A (Green)	26C (Black) and 26T (Red)
mutant/mutant	31A (Green)	26T (Red)

In one genotyping result, you will see both CFTRxon5 and CFTRxon11 peaks.



For ordering and enquiries, please contact

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