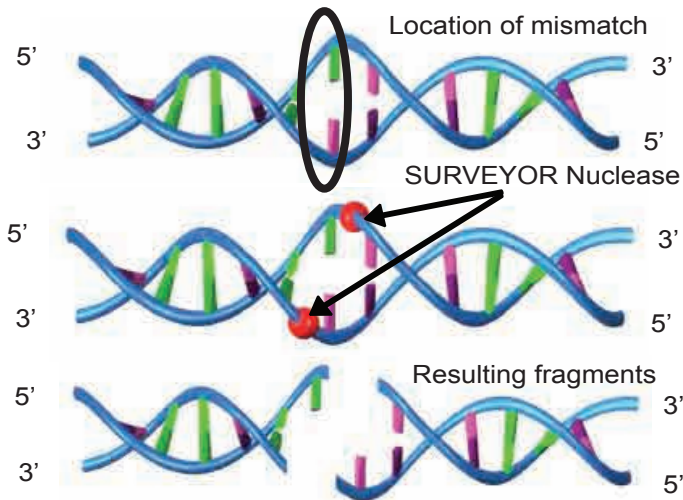


SURVEYOR® Mutation Detection Kits

Discover and Detect All Types of Genetic Variations

SURVEYOR Mutation Detection Kits provide a simple, accurate and cost-effective means to scan DNA fragments for mutations with unmatched sensitivity and specificity.

Complete Mutation Detection System: Contains SURVEYOR Nuclease, all reagents and plasmid controls.

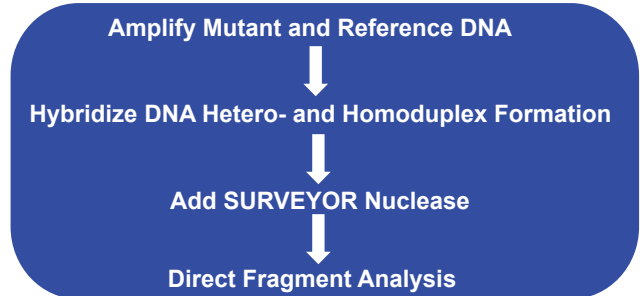


SURVEYOR Nuclease is a mismatch-specific endonuclease that recognizes mismatches in heteroduplexed DNA and cleaves both strands on the 3' side of the mismatch providing specific information on mutation location and type.

Designed for Multiple Mutation Discovery Applications

- Somatic, germ-line and mitochondrial mutations
- Insertions, deletions, substitutions and SNPs
- Low-copy mutations and pooled DNA samples

Mutation Detection in Four Easy Steps



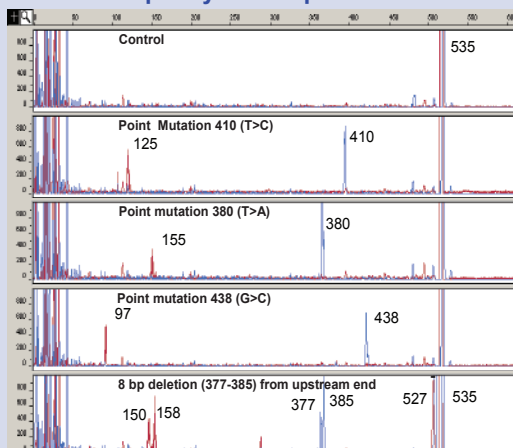
Benefits

- Determines mutation loci
- Eliminates melt-curve analysis and multi-temperature runs
- Saves time and money
 - Streamlines DNA sequencing
 - Decreases sequencing backlog and analysis time
 - Validates sequencing results and analysis
 - Decreases chromatogram analysis by 90%
- No post-PCR or post-reaction clean-up
- High throughput sensitivity and specificity

Mutation Detection on Multiple Platforms

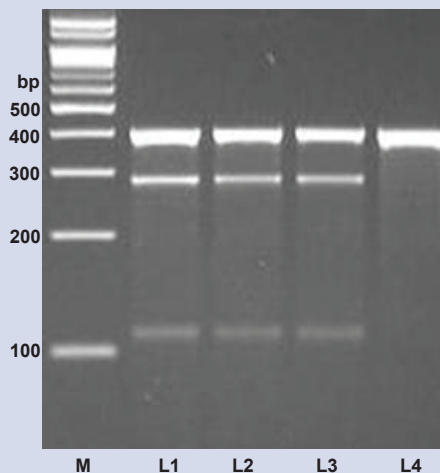
Standard Gel Electrophoresis — Fluorescent Capillary Electrophoresis — WAVE® and WAVE HS Platforms LI-COR® — Universal Primer Fluorescent Capillary Electrophoresis

Universal Primer Fluorescent Capillary Electrophoresis



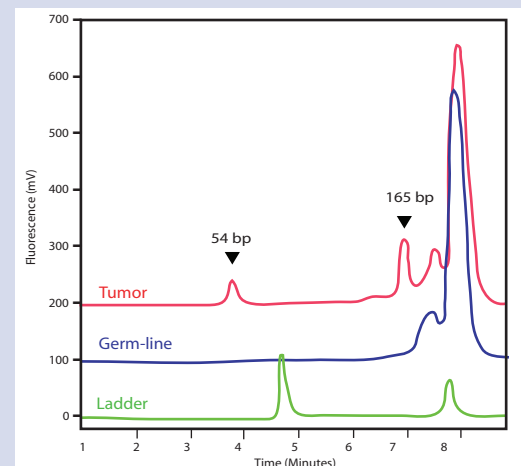
SURVEYOR Nuclease detection of Somatic Mutations in an exon of the VHL (von Hippel-Lindau) tumor suppressor gene from different genomic DNA tumor samples.

Standard Gel Electrophoresis



SURVEYOR Nuclease detection of mutations in PXE Exon 28 (Pseudoxanthoma elasticum connective tissue disorder). L1 - Patient Sample, L2 - Patient/Normal DNA, L3 - Mutation Reference Standard, L4-Normal DNA homoduplex.

WAVE and WAVE HS Systems



SURVEYOR Nuclease treated TSC1 (tuberous sclerosis) exon 20 PCR product from prostate tumor. Analysis indicates a low minority mutation is present in the sample, and the mutation is 54 bp from one end of the 220 bp PCR product.

SURVEYOR Mutation Detection Kit Components

All components are individually optimized and formulated for each specific platform.

SURVEYOR Mutation Detection Kits		
Standard Gel Electrophoresis		
Catalog Number	Number of Reactions	
706025	25	
706020	100	
WAVE and WAVE HS Systems		
Catalog Number	Number of Reactions	
706035	25	
706030	100	
Fluorescent Capillary Electrophoresis		
Catalog Number	Number of Reactions	
706015	25	
706010	100	
LI-COR®		
Catalog Number	Number of Reactions	
706005	25	
706000	100	
Universal Primer Fluorescent Capillary Electrophoresis*		
Catalog Number	Number of Reactions	
706101	32	
706102	96	
706103	384	

Related products include Optimase® Polymerase, Maximase™ Polymerase, separate T4D matrix standard and dNTPs.

Automated PCR Protocol Design with Optimase ProtocolWriter™

Amplicon specific PCR protocols can be obtained from <http://www.mutationdiscovery.com>. Simply select Optimase ProtocolWriter, insert the sequence of your primers, select a desired PCR approach and click the Develop PCR Protocol button. Optimase ProtocolWriter calculates and proposes the PCR conditions for the experiment.

Corporate Headquarters

Transgenomic, Inc.
12325 Emmet Street
Omaha, NE 68164, USA
Phone: (888) 233-9283 • (402) 452-5400
Fax: (402) 452-5401
Email: info@transgenomic.com

Transgenomic Limited
40 Watt Road, Hillington Park
Glasgow G52 4RY, UK
Phone: +44 (0) 141 892 8800
Fax: +44 (0) 141 883 5967
Email: sales@transgenomic.com

www.transgenomic.com



Document No. 602121-03
10/2008