Finally you can detect SNPs with total confidence.

2,700,000 known SNPs today. Millions more tomorrow.

Is your lab ready?

Yes, your lab will be prepared with the new AcycloPrime™-FP SNP Detection System from PerkinElmer Life Sciences.

The first fluorescence polarization-based SNP reagent system, AcycloPrime reagents are complemented by our Victor² V fluorescence polarization reader, a state-of-the-art multi-use fluorescence detection instrument. Finally, detecting all known SNPs – today and tomorrow – is easy, quick and accurate.

• **How easy?** As a homogenous assay, there are no washing or separation steps.
• **How fast?** The optional Victor² V auto dispenser eliminates hand-pipetting. Plus, 40 plates – each with 384 wells – can be stacked at once.
• **How accurate?** With our new AcycloTerminators,™ there’s no guesswork. So you can detect SNPs with confidence the first time.

Special introductory offer

To celebrate the introduction of our new SNP instrumentation and reagent system, we’re offering substantial savings on the Victor² V.

For more information, contact PerkinElmer Life Sciences at (800) 551-2121 (U.S.) or +32 2 717 7911 (Europe), or visit www.perkinelmer.com/snps.
AcycloPrime™-FP SNP Detection Kit

Catalog Numbers

<table>
<thead>
<tr>
<th>Terminator Mix [R110/TAMRA]</th>
<th>SNP</th>
<th>1K SNPs (1000 SNPs)</th>
<th>10K SNPs (10,000 SNPs)</th>
<th>100K SNPs (100,000 SNPs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>G/A</td>
<td>C/T</td>
<td>ACP-101A</td>
<td>ACP-101B</td>
<td>ACP-101C</td>
</tr>
<tr>
<td>G/C</td>
<td>C/G</td>
<td>ACP-102A</td>
<td>ACP-102B</td>
<td>ACP-102C</td>
</tr>
<tr>
<td>G/T</td>
<td>C/A</td>
<td>ACP-103A</td>
<td>ACP-103B</td>
<td>ACP-103C</td>
</tr>
<tr>
<td>C/A</td>
<td>G/T</td>
<td>ACP-104A</td>
<td>ACP-104B</td>
<td>ACP-104C</td>
</tr>
<tr>
<td>C/T</td>
<td>G/A</td>
<td>ACP-106A</td>
<td>ACP-106B</td>
<td>ACP-106C</td>
</tr>
<tr>
<td>A/T</td>
<td>P/A</td>
<td>ACP-109A</td>
<td>ACP-109B</td>
<td>ACP-109C</td>
</tr>
</tbody>
</table>

Victor² V with stacker 1420-041
Manual Victor² V 1420-040
V2 manual model, Fluorescence, luminescence, FP 1420-042
V2 stacker model, Fluorescence, luminescence, FP 1420-043

AcycloPrime™-FP SNP Analysis

1. PCR Amplification

2. Removal of primers and free nucleotides by incubation with exonuclease and alkaline phosphatase, followed by heat inactivation of the two enzymes.

3. AcycloPrime-FP mix containing primer, R110-avtyCTP and TAMRA-avtyCTP AcycloTerminators, ddATP, ddGTP, AcycloPol

4. Monitor changes in Fluorescence Polarization (FP)

* AcycloPrime-FP SNP Kit:
- Simple, homogeneous assay for SNP analysis – No mixing, centrifugation, wash or separation steps
- Novel AcycloTerminators and AcycloPol Enzyme – Improved detection, sensitivity & accuracy
- Optimized for autodispensing of volumes into 384 well microplates, using the Victor² V instrument – easy to use
- Minimum hands-on time
- Can read 15,000+ SNP assays per day.

The Victor² V instrument is recommended for reading the fluorescence polarization of the dye-labeled SNP primer.

P10061

AcycloPrime and VICTOR V are trademarks of PerkinElmer Life Sciences, Inc. © 2001 PerkinElmer Life Sciences, Inc.

www.perkinelmer.com/SNPS