Virus Detection Assays & Probes

PATHO-GENE® HPV Detection Assays and Specific Probes

HPV Probes and typing assays for sensitive detection of viral DNA from fresh or FFPE tissue sections

- Specific, sensitive probes detect a broad spectrum of HPV types ranging from low to high risk
- Complete assays provide comprehensive solution for identifying HPV DNA
- Amenable to high-throughput analysis on automated staining systems

<table>
<thead>
<tr>
<th>Product</th>
<th>Product #</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>PATHO-GENE® Probes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>HPV Screening Probe in hybridization buffer (6/11, 16/18, 31/33/51)</td>
<td>ENZ-32884</td>
<td>1 mL / 6 mL</td>
</tr>
<tr>
<td>HPV Type 6/11 Probe</td>
<td>ENZ-32885</td>
<td>1 mL / 6 mL</td>
</tr>
<tr>
<td>HPV Type 16/18 Probe</td>
<td>ENZ-32886</td>
<td>1 mL / 6 mL</td>
</tr>
<tr>
<td>HPV Type 31/33/51 Probe</td>
<td>ENZ-32887</td>
<td>1 mL / 6 mL</td>
</tr>
<tr>
<td>HPV Type 16/18/31/33/51 Probe</td>
<td>ENZ-32882</td>
<td>1 mL / 6 mL</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>BIO-PROBE® Infectious Agent Probes</th>
<th></th>
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<tbody>
<tr>
<td>Adenovirus</td>
<td>ENZ-40834</td>
<td>2 µg</td>
</tr>
<tr>
<td>Blur 8</td>
<td>ENZ-40849</td>
<td>2 µg</td>
</tr>
<tr>
<td>Cytomegalovirus</td>
<td>ENZ-40835</td>
<td>2 µg</td>
</tr>
<tr>
<td>Herpes Simplex</td>
<td>ENZ-40838</td>
<td>2 µg</td>
</tr>
<tr>
<td>Hepatitis A Virus</td>
<td>ENZ-40842</td>
<td>2 µg</td>
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<tr>
<td>SV 40</td>
<td>ENZ-40845</td>
<td>2 µg</td>
</tr>
<tr>
<td>JC Virus</td>
<td>ENZ-40847</td>
<td>2 µg</td>
</tr>
<tr>
<td>BK Virus</td>
<td>ENZ-40848</td>
<td>2 µg</td>
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</tbody>
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Detect and Identify HPV Infection *In Situ*

CIN/condylomata biopsy specimen infected with HPV type 16 DNA. The HPV 16/18 Probe Reagent exhibited strong nuclear staining. Tissue sections were developed with (A) HRP-AEC (100X) and (B) HRP-DAB (400X) and counterstained with hematoxylin.
## Hybridization Reagents & Buffers

<table>
<thead>
<tr>
<th>Product</th>
<th>Product #</th>
<th>Size</th>
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<tbody>
<tr>
<td>Proteinase K</td>
<td>ENZ-33801</td>
<td>2 x 5 mg</td>
</tr>
<tr>
<td>Wash Buffer Salts</td>
<td>ENZ-33802</td>
<td>3 packs</td>
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<tr>
<td>SIGNASURE® Wash Buffer</td>
<td>ENZ-33803</td>
<td>3 packs</td>
</tr>
<tr>
<td>In Situ Hybridization Buffer (1.25X concentrate)</td>
<td>ENZ-33808</td>
<td>10 mL</td>
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<tr>
<td>In Situ Hybridization Buffer (Ready-to-use)</td>
<td>ENZ-33905</td>
<td>50 mL</td>
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<tr>
<td>In Situ Hybridization Wash Reagent</td>
<td>ENZ-33809</td>
<td>30 mL</td>
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## Linkers

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<thead>
<tr>
<th>Product</th>
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<th>Size</th>
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<tbody>
<tr>
<td>Rabbit anti-biotin linker (Ready-to-use)</td>
<td>ENZ-32892</td>
<td>6 mL</td>
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<tr>
<td>Mouse anti-biotin linker (Ready-to-use)</td>
<td>ENZ-32893</td>
<td>6 mL</td>
</tr>
</tbody>
</table>

## PATHO-GENE® HPV Complete Detection Assays

<table>
<thead>
<tr>
<th>Product</th>
<th>Product #</th>
<th>Assays</th>
</tr>
</thead>
<tbody>
<tr>
<td>PATHO-GENE® Alk Phos-NBT/BCIP Human Papillomavirus In Situ Typing Assay</td>
<td>ENZ-32895</td>
<td>10 assays</td>
</tr>
<tr>
<td>PATHO-GENE® HRP-AEC Human Papillomavirus In Situ Typing Assay</td>
<td>ENZ-32877</td>
<td>20 assays</td>
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<tr>
<td>PATHO-GENE® HRP-DAB Human Papillomavirus In Situ Typing Assay</td>
<td>ENZ-32874</td>
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<tr>
<td>PATHO-GENE® Human Papillomavirus In Situ Screening Assay</td>
<td>ENZ-32879</td>
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<tr>
<td>HPV 16 Control Slide</td>
<td>ENZ-31877</td>
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## Detection Systems

<table>
<thead>
<tr>
<th>Product</th>
<th>Product #</th>
<th>Assays</th>
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<tbody>
<tr>
<td>SIMPLYSENSITIVE® HRP-AEC In Situ Detection System</td>
<td>ENZ-32830</td>
<td>20 assays</td>
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<tr>
<td>SIMPLYSENSITIVE® HRP-DAB In Situ Detection System</td>
<td>ENZ-32840</td>
<td>20 assays</td>
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<tr>
<td>SIMPLYSENSITIVE® AP-NBT/BCIP In Situ Detection System</td>
<td>ENZ-32870</td>
<td>20 assays</td>
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<tr>
<td>ULTRASENSITIVE® Enhanced HRP-AEC In Situ Detection System</td>
<td>ENZ-32300</td>
<td>30 assays</td>
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<tr>
<td>ULTRASENSITIVE® Enhanced HRP-DAB In Situ Detection System</td>
<td>ENZ-32400</td>
<td>30 assays</td>
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<tr>
<td>ULTRASENSITIVE® Enhanced AP-NBT/BCIP In Situ Detection System</td>
<td>ENZ-32700</td>
<td>30 assays</td>
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**References:**


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“Results with the Enzo probe were so good that we did not continue trying to optimize with a different probe.”

– Momin T. Siddiqui, MD, Department of Pathology and Laboratory Medicine, Emory University Hospital