Phage DNA Isolation Kit

For rapid purification of total DNA from Bacteriophages

Features:
1- Isolate high quality and quantity DNA from a variety of phage strains
2- Fast and easy processing with convenient spin columns
3- No need for phenol:chloroform extractions or cesium chloride banding
4- Purified DNA is ready for RFLP, PCR, Southern blotting, DNA sequencing, etc.

High Quality, High Yield Phage DNA
Phage DNA was isolated from eight different phage types (lanes 1 to 8) and purified DNA was resolved on an agarose gel.*
Lane M is Norgen’s HighRanger 1kb Ladder.

*with optional proteinase K digest

Kit Specifications

<table>
<thead>
<tr>
<th>Column Binding Capacity</th>
<th>50 μg</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum Column Loading Volume</td>
<td>600 μL</td>
</tr>
<tr>
<td>Maximum Amount of Starting Material:</td>
<td>1 × 10^{10} pfu/mL enriched phages</td>
</tr>
<tr>
<td>Size of DNA Purified</td>
<td>All sizes</td>
</tr>
<tr>
<td>Time to Complete 10 Purifications</td>
<td>45 minutes</td>
</tr>
<tr>
<td>Average Yield**:</td>
<td>10-30 μg DNA from 10^{8}-10^{10} pfu/ mL of enriched phages</td>
</tr>
</tbody>
</table>

* Average yield will vary depending upon a number of factors including type of phage, growth conditions used and developmental stage.

Ordering Information

<table>
<thead>
<tr>
<th>Kit</th>
<th>Catalogue Number</th>
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</thead>
<tbody>
<tr>
<td>Phage DNA Isolation Kit</td>
<td>46700 (25 preps)</td>
</tr>
<tr>
<td>Phage DNA Isolation Kit</td>
<td>46800 (50 preps)</td>
</tr>
<tr>
<td>Phage DNA Isolation Kit</td>
<td>46850 (100 preps)</td>
</tr>
</tbody>
</table>

Please contact us for more information: North American Toll Free: 1-866-667-4362 Phone: 905-227-8848 Fax: 905-227-1061

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Registered

Ver3.0
**Title:** Investigation of the final stages of a P4-like coliphage infection in Escherichia coli through scanning, transmission and nano-scanning-auger electron microscopy (NanoSAM).
**Authors:** Westhuizen W, Kock J, Coetsee E, Wyk P, Swart H, Bragg R.
**Journal:** Academic Journals. 2013.

**Title:** Investigation of Mannheimia haemolytica bacteriophages relative to host diversity.
**Authors:** Hsu YH, Cook SR, Alexander TW, Klima CL, Niu YD, Brent Selinger L, McAllister TA.
**Journal:** Journal of Applied Microbiology. 2013.

**Title:** Propionibacterium acnes Bacteriophages Display Limited Genetic Diversity and Broad Killing Activity against Bacterial Skin Isolates.
**Authors:** Marinelli LJ, Fitz-Gibbon S, Hayes C, Bowman C, Inkeles M, Loncaric A, Russell DA, Jacobs-Sera D, Cokus S, Pellegrini M, Kim J, Miller JF, Hatfull GF, Modlin RL.
**Journal:** MBio. 2012

**Title:** Complete Genome of Pseudomonas aeruginosa Phage PA26.
**Authors:** Kim MS, Cha KE, Myung H.
**Journal:** Journal of Virology. 2012

**Title:** Complete Genome of Staphylococcus aureus Phage SA11.
**Authors:** Kim MS, Myung H.
**Journal:** Journal of Virology. 2012

**Title:** Complete Genome Sequence of Caulobacter crescentus Bacteriophage {varphi}CbK.
**Authors:** Panis G, Lambert C, Viollier PH.
**Journal:** Journal of Virology. 2012