Genomic DNA from *Cryptosporidium parvum*, Isolate Iowa

**Catalog No. NR-2519**  
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**Product Description:** Genomic DNA was isolated from a preparation of *Cryptosporidium parvum*, isolate Iowa.

**Lot:** 4735511  
**Manufacturing Date:** NOV2005

<table>
<thead>
<tr>
<th>TEST</th>
<th>SPECIFICATIONS</th>
<th>RESULTS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Agarose Gel Electrophoresis</td>
<td>High molecular weight genomic DNA</td>
<td>High molecular weight genomic DNA</td>
</tr>
<tr>
<td></td>
<td>(&gt; 20 kb)</td>
<td>(&gt; 20 kb) (see Figure 1)</td>
</tr>
<tr>
<td>PCR Amplification of COWP Gene Followed by RFLP Analysis</td>
<td><em>Cryptosporidium parvum</em></td>
<td><em>Cryptosporidium parvum</em> (see Figure 2)</td>
</tr>
<tr>
<td>Concentration by PicoGreen® Measurement</td>
<td>Report results</td>
<td>100 ng/µL</td>
</tr>
<tr>
<td>Bacterial Genomic DNA</td>
<td>&lt; 0.1%</td>
<td>&lt; 0.1%</td>
</tr>
</tbody>
</table>

**Figure 1**

100 ng of genomic DNA was electrophoresed on a 0.8% agarose gel with DNA markers and stained with ethidium bromide.

- Lanes 1 and 2: DNA ladders
- Lane 3: *Cryptosporidium hominis*, TU502  
  (BEI Resources NR-2520)
- Lane 4: *Cryptosporidium parvum*, Iowa  
  (BEI Resources NR-2519)
PCR reactions were performed using COWP primers (Cryptosporidium-specific) and the amplicons were digested with Rsa I. The digests were run on a 10% TBE PAGE gel.

Lanes 1 and 6: 100 bp DNA ladder (Promega G2101)
Lane 2: Standard, Cryptosporidium hominis, TU502
Lane 3: NR-2520
Lane 4: NR-2519
Lane 5: Standard, Cryptosporidium parvum, Iowa

Date: 07 NOV 2006

Signature: Signature on File

Title: Technical Manager, BEI Authentication

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