# Product Specification and Analysis Report

**Cryptosporidium parvum**

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**Product:** Suspension of Oocysts of *Cryptosporidium parvum*, Iowa isolate, for use in research.

**Source of the oocysts:** Experimentally infected calves.

**Species/genus identification method(s):** Direct immunofluorescence microscopy with genus-specific monoclonal antibodies; also phase microscopy.

<table>
<thead>
<tr>
<th>Lot #:</th>
<th>Date shed:</th>
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<td>Date purified:</td>
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**Total number of oocysts provided:**

- 4 mL
- 8 mL
- other:

**Total volume:**

- 4 mL
- 8 mL
- other:

**Storage solution:**

- PBS with penicillin, streptomycin, gentamicin, Amphotericin B, 0.01% Tween 20
- 5% Formalin/PBS & 0.01% Tween 20
- other:

**Purification method(s):** Oocysts are purified from feces by sucrose and Percoll density gradient centrifugation, after initial extraction of feces with diethyl ether.

**Quantitation Method:** Neubauer hemacytometer counting, using red blood cell method.

**Storage Conditions:** 4 to 6 degrees Celcius (i.e. refrigerator temperature)

**Expiration date:** The shelf life of live *C. parvum* oocysts is guaranteed up to 2 months after the date of shipment; however, viability and useful life of oocysts for research may continue for a much longer period provided oocysts are stored at refrigerator (4-8 deg. C) temperatures in the presence of antibiotics, including Amphotericin B as fungicide (0.25 ug per ml). Formalinized oocysts are guaranteed for 6 months after date of receipt.

The organisms enclosed in this package are infectious to humans and animals by oral ingestion. The safe handling and disposal of the contents of this package are the responsibility of the recipient.