

**Male and Female Adult *Schistosoma haematobium*, Egyptian Strain, cDNA Library (Insert Size 0.25 kb to 3.5 kb)**

**Catalog No. NR-49142**

This reagent is the tangible property of the U.S. Government.

**Product Description:** NR-49142 is a cDNA library produced from mRNA extracted from male and female adult *Schistosoma haematobium*, Egyptian strain. To construct the library, first strand cDNA was synthesized with Biotin-*attB2*-oligo(dT) primer and processed as described using the [CloneMiner™ II cDNA Library Construction kit](#) (Invitrogen™ by Life Technologies™). Double stranded cDNA was synthesized and ligated with *attB1* adaptors, recombined into pDONR™222, and transformed into ElectroMAX™ DH10B™ T1 Phage resistant *Escherichia coli*.<sup>1</sup> The cDNA library inserts range in size from 0.25 kb to 3.5 kb.

**Lot<sup>1</sup>: 63188682**

**Manufacturing Date: 22OCT2014**

TEST	SPECIFICATIONS	RESULTS
cDNA Library Titer	>1 × 10 <sup>6</sup> colony forming units per mL	1.94 × 10 <sup>6</sup> colony forming units per mL
% Recombination <sup>2</sup>	Report results	100%
<b>BsrGI Digestion of Inserts (Figure 1)<sup>3</sup></b>		
Clone 1	Report results	0.8 kb and 0.25 kb, insert 1.25 kb
Clone 2	Report results	1.4 kb and 0.75 kb, insert 2.15 kb
Clone 3	Report results	0.25 kb
Clone 4	Report results	0.75 kb
Clone 5	Report results	0.25 kb
Clone 6	Report results	1.1 kb and 0.8 kb, insert 1.9 kb
Clone 7	Report results	3.5 kb
Clone 8	Report results	1.1 kb
Clone 9	Report results	0.7 kb and 0.25 kb, insert 0.95 kb
Clone 10	Report results	0.7 kb and 0.3 kb, insert 1 kb
Clone 11	Report results	0.6 kb and 0.3 kb, insert 0.9 kb
Clone 12	Report results	1 kb and 0.65 kb, insert 1.65 kb
Clone 13	Report results	0.75 kb
Clone 14	Report results	0.7 kb and 0.3 kb, insert 1 kb
Clone 15	Report results	1.4 kb
Clone 16	Report results	0.7 kb
Clone 17	Report results	1.8 kb and 0.75 kb, insert 2.55 kb
Clone 18	Report results	1 kb
Clone 19	Report results	0.75 kb and 0.25 kb, insert 1 kb
Clone 20	Report results	0.75 kb
Clone 21	Report results	0.8 kb and 0.75 kb, insert 1.25 kb
Clone 22	Report results	0.25 kb
Clone 23	Report results	1 kb
Clone 24	Report results	1.5 kb and 0.75 kb, insert 2.25 kb

<sup>1</sup>QC testing was performed by the Biomedical Research Institute, Rockville, MD (NIH-NIAID Contract HHSN272201000005I)

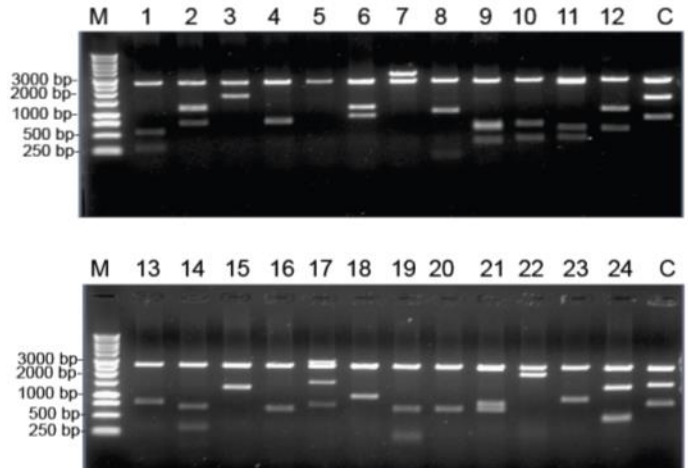
<sup>2</sup>Number of clones analyzed (24), Number of clones containing inserts (24)

<sup>3</sup>Average insert size (0.96 kb), insert size range (0.25 kb to 2.9 kb)

**Figure 1: *Bsr*GI Digestion of Plasmid DNA from NR-49142**

300 ng of plasmid DNA and 250 ng supercoiled pDONR™222 (control) were digested with *Bsr*GI

Lane M: Molecular Marker  
 Lanes 1-12: Clones 1-12  
 Lane C: pDONR™222 vector (control)  
 Lanes 13-24: Clones 13-24



**Date:** 24 APR 2015

**Signature:**

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