

Male and Female Adult *Schistosoma haematobium*, Egyptian Strain, cDNA Library (Insert Size 0.25 kb to 2.9 kb)

Catalog No. NR-49143

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

Product Description: NR-49143 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*.¹ The cDNA library inserts range in size from 0.25 kb to 2.9 kb.

Lot¹: 63188683

Manufacturing Date: 24OCT2014

TEST	SPECIFICATIONS	RESULTS
cDNA Library Titer	>1 × 10 ⁶ colony forming units per mL	1.13 × 10 ⁷ colony forming units per mL
% Recombination ^{2,3}	Report results	100%
BsrGI Digestion of Inserts (Figure 1)^{3,4}		
Clone 1	Report results	0.5 kb
Clone 2	Report results	1.5 kb
Clone 3	Report results	0.6 kb
Clone 4	Report results	0.6 kb
Clone 6	Report results	1.7 kb and 1.2 kb, insert 2.9 kb
Clone 7	Report results	1.3 kb
Clone 8	Report results	0.25 kb
Clone 9	Report results	0.5 kb
Clone 10	Report results	0.7 kb
Clone 11	Report results	1.25 kb
Clone 12	Report results	1 kb and 0.65 kb, insert 1.65 kb
Clone 13	Report results	1.4 kb
Clone 14	Report results	1 kb and 0.3 kb, insert 1.3 kb
Clone 15	Report results	1 kb and 0.2 kb, insert 1.2 kb
Clone 16	Report results	0.25 kb
Clone 17	Report results	0.25 kb
Clone 18	Report results	0.75 kb
Clone 19	Report results	0.9 kb
Clone 20	Report results	0.8 kb and 0.3 kb, insert 1.1 kb
Clone 21	Report results	0.6 kb
Clone 22	Report results	0.4 kb
Clone 23	Report results	0.8 kb and 0.5 kb, insert 1.3 kb
Clone 24	Report results	1.1 kb

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

²Number of clones analyzed (23), Number of clones containing inserts (23)

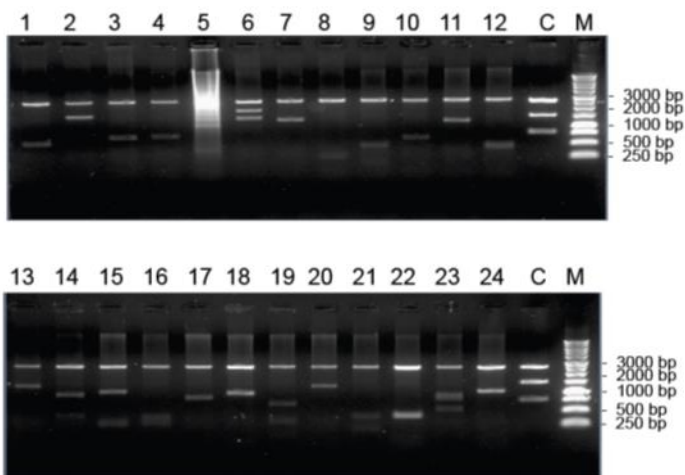
³Clone 5 was not included in the QC analysis due to poor quality of the extracted material

⁴Average 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-49143

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

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



Date: 23 APR 2015

Signature: 
 BEI Resources Authentication

ATCC®, on behalf of BEI Resources, hereby represents and warrants that the material provided under this certificate has been subjected by the contributor to the tests and procedures specified and that the results described, along with any other data provided in this certificate, are true and accurate to the best of ATCC®'s knowledge.

ATCC® is a trademark of the American Type Culture Collection.
 You are authorized to use this product for research use only. It is not intended for human use.

