

## Messenger RNA from *Schistosoma japonicum*, Chinese Strain, Eggs

### Catalog No. NR-50737

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#### Contributor and Manufacturer:

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#### Product Description:

NR-50737 is a preparation of messenger RNA (mRNA) extracted and purified from total RNA of *Schistosoma japonicum* (*S. japonicum*), Chinese strain, eggs. Eggs were collected from the livers of mice that had been infected with *S. japonicum*, Chinese strain, cercariae.<sup>1</sup>

*S. japonicum* is a species of trematode worm which causes the chronic parasitic disease Schistosomiasis in China and the Far East, in areas with poor sanitation that lack access to safe drinking water. The Chinese strain of *S. japonicum* was originally isolated from Anhui Province, China, in 1928. The laboratory stock of the original Chinese strain of *S. japonicum* was later mixed with a second isolate from Anhui Province in 1977 to produce the current Chinese strain.<sup>2</sup>

#### Material Provided:

Each vial of NR-50737 contains approximately 0.5 µg to 1.0 µg of mRNA in DNase/RNase-free distilled water. The concentration is shown on the Certificate of Analysis. The vial should be centrifuged prior to opening.

#### Packaging/Storage:

NR-50737 was packaged in cryovials. The product is provided frozen and should be stored at -70°C or colder upon arrival. Freeze-thaw cycles should be minimized.

#### Citation:

Acknowledgment for publications should read "The following reagent was provided by the NIAID Schistosomiasis Resource Center for distribution through BEI Resources, NIAID, NIH: Messenger RNA from *Schistosoma japonicum*, Chinese Strain, Eggs, NR-50737."

#### Biosafety Level: 1

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the following publication: U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention, and National Institutes of Health. Biosafety in Microbiological and Biomedical Laboratories, 5th ed. Washington, DC: U.S. Government Printing Office, 2009; see [www.cdc.gov/biosafety/publications/bmbl5/index.htm](http://www.cdc.gov/biosafety/publications/bmbl5/index.htm).

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#### References:

1. Matty Knight, Principal Investigator, Biomedical Research Institute (prior to 2014), Personal Communication
2. Tucker, M. S., Personal Communication.

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