

Messenger RNA from *Schistosoma japonicum*, Philippine Strain, Eggs

Catalog No. NR-42589

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Contributor and Manufacturer:

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Product Description:

Messenger RNA (mRNA) was isolated from *Schistosoma japonicum* (*S. japonicum*), Philippine strain, eggs. Eggs were collected from the livers of mice that had been infected with *S. japonicum*, Philippine strain, cercariae.¹

The Philippine strain of *Schistosoma japonicum* (*S. japonicum*) was isolated from Leyte, Philippines in 1969. The laboratory stock of the Philippine strain of *S. japonicum* was later mixed with an isolate provided by Dr. Sano, Hamamatsu University, Japan, in 1977 to produce the current Philippine strain of *S. japonicum*.² *S. japonicum* is a species of trematode worm which causes the chronic parasitic disease schistosomiasis.

Material Provided:

Each vial of NR-42589 contains approximately 625 ng 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-42589 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 obtained through BEI Resources, NIAID, NIH: Messenger RNA from *Schistosoma japonicum*, Philippine Strain, Eggs, NR-42589."

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.

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References:

1. M. Knight, personal communication
2. Lewis, F. A., et. al. "Large-Scale Laboratory Maintenance of *Schistosoma mansoni*, with Observations on Three Schistosome/Snail Host Combinations." *J. Parasitol.* 72 (1986): 813-829. PubMed: 3546654.

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