

A



Aug 12, 2022

# Hamster infestation with cercariae

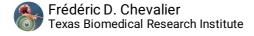
# Frédéric D. Chevalier<sup>1</sup>

<sup>1</sup>Texas Biomedical Research Institute





This protocol is published without a DOI.



#### DISCLAIMER

#### DISCLAIMER - FOR INFORMATIONAL PURPOSES ONLY; USE AT YOUR OWN RISK

The protocol content here is for informational purposes only and does not constitute legal, medical, clinical, or safety advice, or otherwise; content added to <a href="protocols.io">protocols.io</a> is not peer reviewed and may not have undergone a formal approval of any kind. Information presented in this protocol should not substitute for independent professional judgment, advice, diagnosis, or treatment. Any action you take or refrain from taking using or relying upon the information presented here is strictly at your own risk. You agree that neither the Company nor any of the authors, contributors, administrators, or anyone else associated with <a href="protocols.io">protocols.io</a>, can be held responsible for your use of the information contained in or linked to this protocol or any of our Sites/Apps and Services.

# **ABSTRACT**

This protocol describes the steps, materials and precautions needed for infecting hamsters with schistosome cercariae. Note that the use of vertebrates for research needs to be approved by the Institutional Animal Care and Use Committee (IACUC). Refer to your local IACUC for more information.

#### PROTOCOL CITATION

Frédéric D. Chevalier 2022. Hamster infestation with cercariae. **protocols.io** https://protocols.io/view/hamster-infestation-with-cercariae-ce7athie

**KEYWORDS** 

Infection, rodents

LICENSE

This is an open access protocol distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited



CREATED

Aug 12, 2022

LAST MODIFIED

Aug 12, 2022

PROTOCOL INTEGER ID

68546

#### MATERIALS TEXT

# Glassware:

- Beakers
- Dishes
- Jar
- Pot
- Thinned pipettes
- Suckers

### Solutions:

- Alcohol 70°
- TBRI water

SAFETY WARNINGS

Use lab coat and gloves

DISCLAIMER:

DISCLAIMER - FOR INFORMATIONAL PURPOSES ONLY; USE AT YOUR OWN RISK

The protocol content here is for informational purposes only and does not constitute legal, medical, clinical, or safety advice, or otherwise; content added to <a href="protocols.io">protocols.io</a> is not peer reviewed and may not have undergone a formal approval of any kind. Information presented in this protocol should not substitute for independent professional judgment, advice, diagnosis, or treatment. Any action you take or refrain from taking using or relying upon the information presented here is strictly at your own risk. You agree that neither the Company nor any of the authors, contributors, administrators, or anyone else associated with <a href="protocols.io">protocols.io</a>, can be held responsible for your use of the information contained in or linked to this protocol or any of our Sites/Apps and Services.

1 Shed cercariae from snails during 2h under light in TBRI water

2h

2 Discard the shedding water in a new beaker

30m

3	Shed cercariae from snails again during 2h under light in new TBRI water	2h
4	Transfer the water in a new dish	1m
5	Get the hamster	5m
6	Wet the hamster in jar containing hot water (~30°C). BE CAREFUL to keep always the sam individuals together (no mix from different cages)	0m e
7	Take 1,000 cercariae with thinned pipette and depose them in the pot will receive the ham	0m ste
8	Add water in the pot if necessary	2m
9	Put the hamster in the pot and label the pot correctly (note the number of the cage and the strain used for the infestation)	5m
10	Wait 2h minimum	2h
11	Put the hamster in the cage. BE CAREFUL to keep always the same individuals together (n mix from different cages)	5m 0
12	Wait until the hamsters were dried and go back to the animal room	