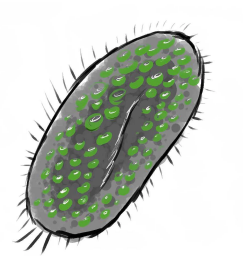


Sep 13, 2024

## RNA-interference in *Paramecium bursaria*

DOI

[dx.doi.org/10.17504/protocols.io.8epv5jzm4l1b/v1](https://dx.doi.org/10.17504/protocols.io.8epv5jzm4l1b/v1)



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**Protocol status:** Working

**We use this collection and it's working**

**Created:** October 11, 2022

**Last Modified:** September 13, 2024

**Collection Integer ID:** 71205

**Keywords:** *Paramecium*, *bursaria*, RNAi, gene, knock-down, reverse genetics, ciliate, algae, symbiosis



## Abstract


RNA-interference based gene knock-down in *Paramecium bursaria*. This collection contains protocols for:








- 1) Paramecium cultures for RNAi - Filtering and preparing *P. bursaria* cultures for downstream RNAi
- 2) RNAi induction - Back-dilution, induction, and creating frozen *E. coli* feeding stocks for downstream RNAi
- 3) RNAi feeding - Daily resuspension and feeding of *P. bursaria* cultures
- 4) RNAi imaging - Imaging of *P. bursaria* cultures

## Image Attribution

Ben Jenkins

Files



Protocol		
	<div>NAME</div> <div>Paramecium cultures for RNAi</div>	
	<div>VERSION 1</div>	
	<div>CREATED BY</div> <div> Ben Jenkins University of Oxford</div>	<div>OPEN →</div>
Protocol		
	<div>NAME</div> <div>RNAi induction</div>	
	<div>VERSION 1</div>	
	<div>CREATED BY</div> <div> Ben Jenkins University of Oxford</div>	<div>OPEN →</div>
Protocol		
	<div>NAME</div> <div>RNAi feeding</div>	
	<div>VERSION 1</div>	
	<div>CREATED BY</div> <div> Ben Jenkins University of Oxford</div>	<div>OPEN →</div>
Protocol		
	<div>NAME</div> <div>RNAi imaging</div>	
	<div>VERSION 1</div>	
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