

Resource Summary Report

Generated by PRECISE-TBI on Sep 8, 2026

Roslin Wellcome Trust Tick Cell Biobank

RRID:SCR_004228

Type: Tool

Proper Citation

Roslin Wellcome Trust Tick Cell Biobank (RRID:SCR_004228)

Resource Information

URL: <http://www.roslin.ed.ac.uk/about-roslin/>

Proper Citation: Roslin Wellcome Trust Tick Cell Biobank (RRID:SCR_004228)

Description: The world's largest collection of tick cell lines, enabling scientists to carry out advanced research. This biobank is establishing a collection of all the continuous cell lines derived from ixodid and argasid ticks of medical and veterinary importance available worldwide now and in future. Ticks are blood feeding arthropods which transmit many human and animal diseases. Research into prevention and cure of these diseases, which are caused by viruses, bacteria and protozoa, is greatly assisted by the use of cell culture systems which enable study of both how tick cells function, and how and why ticks transmit these disease-causing pathogens. Cell lines will always be shipped to recipient laboratories as growing cultures, since we cannot guarantee successful resuscitation of frozen stabilates. Tick cells in culture can tolerate the range of temperatures experienced during transit by air for up to a week. Training: We will provide training in tick cell line care and maintenance. This is an essential component of successful transfer of tick cells to, and their establishment in, laboratories with little or no previous experience of tick cell culture. Recipient scientists (preferably the person who will actually look after the cells) can visit the biobank for between 2 days and 2 weeks, depending on their level of previous experience, to be trained in the specific approach and methods for tick cell cultivation. Establishment of new cell lines: In response to requests and on receipt of suitable starting material (engorged female or moulting nymphal ticks), we will attempt to establish new cell lines from tick species or strains which are not already represented in the collection. Deposition of new tick cell lines: We invite researchers anywhere in the world who have established new tick cell lines to deposit samples for safekeeping free of charge and, if requested, for distribution alongside the existing biobank portfolio.

Abbreviations: Roslin Wellcome Trust Tick Cell Biobank

Resource Type: biomaterial supply resource, cell repository, material resource

Funding: Wellcome Trust

Availability: Public

Resource Name: Roslin Wellcome Trust Tick Cell Biobank

Resource ID: SCR_004228

Alternate IDs: nlx_24657

Old URLs: <http://tickcells.roslin.ac.uk/>

Record Creation Time: 20220129T080223+0000

Record Last Update: 20260905T133039+0000

Ratings and Alerts

No rating or validation information has been found for Roslin Wellcome Trust Tick Cell Biobank.

No alerts have been found for Roslin Wellcome Trust Tick Cell Biobank.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 2 mentions in open access literature.

Listed below are recent publications. The full list is available at [PRECISE-TBI](#) .

Barry G, et al. (2013) Gene silencing in tick cell lines using small interfering or long double-stranded RNA. *Experimental & applied acarology*, 59(3), 319.

Alberdi MP, et al. (2012) Detection and identification of putative bacterial endosymbionts and endogenous viruses in tick cell lines. *Ticks and tick-borne diseases*, 3(3), 137.