

Resource Summary Report

Generated by [dkNET](#) on Aug 24, 2026

RTgill-W1

RRID:CVCL_6441

Type: Cell Line

Proper Citation

DSMZ Cat# ACC-899, RRID:CVCL_6441

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_6441

Proper Citation: DSMZ Cat# ACC-899, RRID:CVCL_6441

Description: Cell line RTgill-W1 is a Spontaneously immortalized cell line with a species of origin *Oncorhynchus mykiss* (Rainbow trout)

Sex: Sex unspecified

Defining Citation: [PMID:19002917](#), [PMID:19184248](#), [PMID:20420918](#), [PMID:22281180](#), [PMID:24357037](#), [PMID:28374170](#), [PMID:30825313](#), [PMID:33053677](#)

Comments: Characteristics: Used for acute toxicity tests on chemicals., Biotechnology: Used in an assay for ichthyotoxic assessment of red tide phytoplankton (DOI=10.1016/j.hal.2011.01.002)., Biotechnology: Used in the Organisation for Economic Co-operation and Development (OECD) fish cell line acute toxicity test method 249 (DOI=10.1787/c66d5190-en)., Biotechnology: Used in the ISO 21115:2019 assay for the determination of acute toxicity of water samples (CelloPub=CLPUB00786)., Group: Fish cell line.

Category: Spontaneously immortalized cell line

Organism: *Oncorhynchus mykiss* (Rainbow trout)

Name: RTgill-W1

Synonyms: RTGill-W1, RT-gill-W1, RT-gill W1, RTgillW1, RTG-W1, Rainbow Trout gill-Waterloo 1

Cross References: CLO:CLO_0008896, ATCC:CRL-2523, BCRJ:0362, DSMZ:ACC-899, DSMZCellDive:ACC-899, FCS-free:159-12-290-1-16-3, Wikidata:Q54951402

ID: CVCL_6441

Vendor: DSMZ

Catalog Number: ACC-899

Record Creation Time: 20220427T221509+0000

Record Last Update: 20260815T235657+0000

Ratings and Alerts

No rating or validation information has been found for RTgill-W1.

Warning: Discontinued: BCRJ; 0362

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Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 3 mentions in open access literature.

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

Song Z, et al. (2025) MAPK pathways regulated apoptosis and pyroptosis in respiratory epithelial cells of a primitive vertebrate model during bacterial infection. International journal of biological macromolecules, 286, 138587.

Jozef B, et al. (2025) A systematic approach towards long-term, serum-free cultivation of fish cells with the RTgill-W1 cell line as example. NAM journal, 1, 100008.

Samset Hoem K, et al. (2024) In vitro cultivation of adherent cells on microscope slides for downstream applications. MethodsX, 13, 102847.