

Resource Summary Report

Generated by [dkNET](#) on Sep 22, 2026

CHSE-214

RRID:CVCL_2780

Type: Cell Line

Proper Citation

RRID:CVCL_2780

Cell Line Information

URL: https://web.expasy.org/cellosaurus/CVCL_2780

Proper Citation: RRID:CVCL_2780

Description: Cell line CHSE-214 is a Spontaneously immortalized cell line with a species of origin *Oncorhynchus tshawytscha* (Chinook salmon)

Sex: Sex unspecified

Defining Citation: [PMID:1368400](#), [PMID:6542066](#), [PMID:7766144](#), [PMID:15825496](#), [PMID:19002917](#), [PMID:19941903](#), [PMID:32576161](#), [PMID:33053677](#)

Comments: Virology: Susceptible to infection by infectious haematopoietic necrosis virus (IHNV) and infectious pancreatic necrosis virus (IPNV) (CelloPub=CLPUB00703)., Group: Fish cell line.

Category: Spontaneously immortalized cell line

Organism: *Oncorhynchus tshawytscha* (Chinook salmon)

Name: CHSE-214

Synonyms: CHSE 214, CHSE214, CHinook Salmon Embryo-214

Cross References: CLO:CLO_0002474, CLO:CLO_0002475, CLDB:cl779, CLDB:cl780, ATCC:CRL-1681, CCLV:CCLV-RIE 1104, CCTCC:GDC0168, ECACC:91041114, IZSLER:BS CL 18, NCBI_Iran:C202, Wikidata:Q54813315

ID: CVCL_2780

Record Creation Time: 20220427T215505+0000

Record Last Update: 20260920T001823+0000

Ratings and Alerts

No rating or validation information has been found for CHSE-214.

Warning: Discontinued: ATCC; CRL-1681

Virology: Susceptible to infection by infectious haematopoietic necrosis virus (IHNV) and infectious pancreatic necrosis virus (IPNV) (CelloPub=CLPUB00703)., Group: Fish cell line.

Data and Source Information

Source: [CelloSaurus](#)

Usage and Citation Metrics

We found 104 mentions in open access literature.

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

Fosse JH, et al. (2023) The infectious salmon anemia virus esterase prunes erythrocyte surfaces in infected Atlantic salmon and exposes terminal sialic acids to lectin recognition. *Frontiers in immunology*, 14, 1158077.

van Muilekom DR, et al. (2023) Lost and Found: The Family of NF- κ B Inhibitors Is Larger than Assumed in Salmonid Fish. *International journal of molecular sciences*, 24(12).

Thorarinsson R, et al. (2022) Effects of a DNA and multivalent oil-adjuvanted vaccines against pancreas disease in Atlantic salmon (*Salmo salar*) challenged with salmonid alphavirus subtype 3. *Fish and shellfish immunology reports*, 3, 100063.

Strømsnes TAH, et al. (2022) CRISPR/Cas9-Mediated Gene Editing in Salmonids Cells and Efficient Establishment of Edited Clonal Cell Lines. *International journal of molecular sciences*, 23(24).

Chi H, et al. (2022) GATA-3 in Atlantic salmon (*Salmo salar*): Tissue distribution and its regulation of IL-4/13a promoter. *Frontiers in cellular and infection microbiology*, 12, 1063600.

Aamelfot M, et al. (2022) Destruction of the vascular viral receptor in infectious salmon anaemia provides in vivo evidence of homologous attachment interference. *PLoS pathogens*, 18(10), e1010905.

Ren G, et al. (2022) Antiviral Activity of Crude Polysaccharide Derived from Seaweed against IHNV and IPNV In Vitro. *Viruses*, 14(9).

Shao Y, et al. (2022) Dynamic Distribution of Infectious Pancreatic Necrosis Virus (IPNV) Strains of Genogroups 1, 5, and 7 after Intraperitoneal Administration in Rainbow Trout (*Oncorhynchus mykiss*). *Viruses*, 14(12).

Bendorf CM, et al. (2022) Comparative Susceptibilities of Selected California Chinook Salmon and Steelhead Populations to Isolates of L Genogroup Infectious Hematopoietic Necrosis Virus (IHNV). *Animals : an open access journal from MDPI*, 12(13).

Herrera V, et al. (2022) Complete Lipopolysaccharide of *Piscirickettsia salmonis* Is Required for Full Virulence in the Intraperitoneally Challenged Atlantic Salmon, *Salmo salar*, Model. *Frontiers in cellular and infection microbiology*, 12, 845661.

Cárdenas M, et al. (2022) Infectious Salmon Anemia Virus Infectivity Is Determined by Multiple Segments with an Important Contribution from Segment 5. *Viruses*, 14(3).

Sun J, et al. (2022) Immunological Effects of Recombinant *Lactobacillus casei* Expressing IHN Virus G Protein and Rainbow Trout (*Oncorhynchus mykiss*) Chemokine CK6 as an Oral Vaccine. *Frontiers in immunology*, 13, 927443.

Levipan HA, et al. (2022) Collective behavior and virulence arsenal of the fish pathogen *Piscirickettsia salmonis* in the biofilm realm. *Frontiers in cellular and infection microbiology*, 12, 1067514.

Godoy M, et al. (2022) Isolation of a New Infectious Pancreatic Necrosis Virus (IPNV) Variant from Genetically Resistant Farmed Atlantic Salmon (*Salmo salar*) during 2021-2022. *Pathogens (Basel, Switzerland)*, 11(11).

Shao Y, et al. (2022) Early or Simultaneous Infection with Infectious Pancreatic Necrosis Virus Inhibits Infectious Hematopoietic Necrosis Virus Replication and Induces a Stronger Antiviral Response during Co-infection in Rainbow Trout (*Oncorhynchus mykiss*). *Viruses*, 14(8).

Magray AR, et al. (2022) Evaluation of blood cell viability rate, gene expression, and O-GlcNAcylation profiles as indicative signatures for fungal stimulation of salmonid cell models. *Molecular immunology*, 142, 120.

Sanhueza N, et al. (2021) Behavioural Fever Promotes an Inflammatory Reflex Circuit in Ectotherms. *International journal of molecular sciences*, 22(16).

Ortiz-Severín J, et al. (2021) Nutrient Scarcity in a New Defined Medium Reveals Metabolic Resistance to Antibiotics in the Fish Pathogen *Piscirickettsia salmonis*. *Frontiers in microbiology*, 12, 734239.

Muñoz D, et al. (2021) Viral Infection Drives the Regulation of Feeding Behavior Related Genes in *Salmo salar*. *International journal of molecular sciences*, 22(21).

Xue X, et al. (2021) Transcriptome Profiling of Atlantic Salmon (*Salmo salar*) Parr With Higher and Lower Pathogen Loads Following *Piscirickettsia salmonis* Infection. *Frontiers in immunology*, 12, 789465.