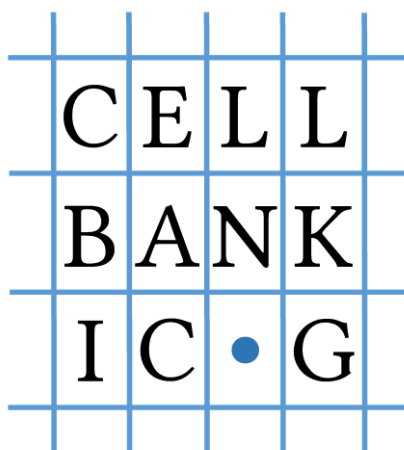




Collective Center of ICG SB RAS "Collection of Pluripotent Human and Mammalian Cell cultures for Biological and Biomedical Research"

The collection contains embryonic stem and induced pluripotent stem cells of mice and other animals. There are also immortalized cell lines and protist cultures.

Mouse embryonic stem cells can be used to produce transgenic animals.

Unique cell lines of American mink pluripotent stem cells allow studying the early embryonic development of mustelids.

Services:

- distribution of cell cultures;
- training.

Research areas:

- derivation of cell lines for fundamental and applied research in the fields of developmental biology, cell biology and transgenesis, including embryonic stem and induced pluripotent stem cells of humans, mice and other laboratory animals, primary and with genetic modifications;
- systematic description of the generated cell lines;
- quality control of collection material using modern methods.

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Mouse pluripotent stem cells

Cell line passport of DGES1

Catalogue number: MMES00001

Name: DGES1

Description: mouse (*Mus musculus*) embryonic stem cells derived from 129S2/SvPasCrl 3.5D blastocyst

Authors: Menzorov A.G., Matveeva N.M.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, XY, chromosome number variability 39-41, tetraploid cells 6%, modal chromosome number 40

Pluripotency: pluripotency is shown by embrioid body formation, teratoma formation in SCID mice and germ line transmission

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 6

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: blastocyst

Date: 01.01.2016

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1002/jcb.28981>

Cell line passport of DGES2

Catalogue number: MMES00002

Name: DGES2

Description: mouse (*Mus musculus*) embryonic stem cells derived from 129S2/SvPasCrl 3.5D blastocyst

Authors: Menzorov A.G., Matveeva N.M.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, XY, chromosome number variability 39-41, tetraploid cells 5%, modal chromosome number 40

Pluripotency: pluripotency is shown by embrioid body formation, teratoma formation in SCID mice and germ line transmission

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 6

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: blastocyst

Date: 01.01.2016

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1002/jcb.28981>

Cell line passport of DGES1-TubbEGFPpuro

Catalogue number: MMES00038

Name: DGES1-TubbEGFPpuro

Description: DGES1 mouse embryonic stem cells with site-specific EGFP insertion after bTubb3 last exon via 2A peptide and puromycin resistance

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, XY, chromosome number variability 39-41, tetraploid cells less than 10%, modal chromosome number 40

Pluripotency: pluripotency is shown by expression of specific markers

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 24

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue:

Date: 01.01.2017

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1002/jcb.28981>

Cell line passport of DGES1-TubbEGFP

Catalogue number: MMES00039

Name: DGES1-TubbEGFP

Description: DGES1 mouse embryonic stem cells with site-specific EGFP insertion after bTubb3 last exon via 2A peptide

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, XY, chromosome number variability 39-41, tetraploid cells less than 10%, modal chromosome number 40

Pluripotency: pluripotency is shown by expression of specific markers

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 22

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue:

Date: 01.01.2017

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1002/jcb.28981>

Cell line passport of DGES1-TubbEGFPSV40puro

Catalogue number: MMES00040

Name: DGES1-TubbEGFPSV40puro

Description: DGES1 mouse embryonic stem cells with site-specific EGFP insertion after bTubb3 last exon via 2A peptide, SV40 polyA signal and puromycin resistance (site-specific and unspecific insert)

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, XY, chromosome number variability 39-41, tetraploid cells less than 5%, modal chromosome number 40

Pluripotency: pluripotency is shown by expression of specific markers

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 20

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue:

Date: 01.01.2017

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1002/jcb.28981>

Cell line passport of DGES1-TubbEGFPSV40

Catalogue number: MMES00041

Name: DGES1-TubbEGFPSV40

Description: DGES1 mouse embryonic stem cells with site-specific EGFP insertion after bTubb3 last exon via 2A peptide, SV40 polyA signal and puromycin resistance (unspecific insert)

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, XY, chromosome number variability 39-40, tetraploid cells less than 2%, modal chromosome number 40

Pluripotency: pluripotency is shown by expression of specific markers

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 26

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue:

Date: 01.01.2017

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1002/jcb.28981>

Cell line passport of MA01

Catalogue number: MMES00004

Name: MA01

Description: mouse (*Mus musculus*) embryonic stem cells derived from outbred BALB x 129/Ola blastocyst

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, XY, chromosome number variability 39-45, tetraploid cells less than 2%, modal chromosome number 40

Pluripotency: pluripotency is shown by teratoma formation in NU/NU mice and germ line transmission

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 4

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: blastocyst

Date: 01.01.2016

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1007/s10616-014-9751-y>

Cell line passport of MA01-3E

Catalogue number: MMES00037

Name: MA01-3E

Description: MA01 mouse embryonic stem cells with EGFP cassette in Trim71 gene

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, XY, chromosome number variability 39-41, tetraploid cells less than 2%, modal chromosome number 40

Pluripotency: pluripotency is shown by teratoma formation in SCID mice and germ line transmission

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 15

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue:

Date: 01.01.2017

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1007/s10616-014-9751-y>

Cell line passport of MA02

Catalogue number: MMES00005

Name: MA02

Description: mouse (*Mus musculus*) embryonic stem cells derived from outbred BALB x 129/Ola blastocyst

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, XX, chromosome number variability 39-41, tetraploid cells 13%, modal chromosome number 40

Pluripotency: pluripotency is shown by teratoma formation in NU/NU mice and chimeric animal generation

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 4

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: blastocyst

Date: 01.01.2016

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1007/s10616-014-9751-y>

Cell line passport of MA03

Catalogue number: MMES00006

Name: MA03

Description: mouse (*Mus musculus*) embryonic stem cells derived from outbred BALB x 129/Ola blastocyst

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, XX, chromosome number variability 40-42, 71-83, tetraploid cells 79%, modal chromosome number 78, 79

Pluripotency: pluripotency is shown by expression of specific markers

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 7

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: blastocyst

Date: 01.01.2016

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1007/s10616-014-9751-y>

Cell line passport of MA04

Catalogue number: MMES00007

Name: MA04

Description: mouse (*Mus musculus*) embryonic stem cells derived from outbred BALB x 129/Ola blastocyst

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, XX, chromosome number variability 39-42, tetraploid cells 28%, modal chromosome number 40

Pluripotency: pluripotency is shown by teratoma formation in NU/NU mice

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 4

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: blastocyst

Date: 01.01.2016

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1007/s10616-014-9751-y>

Cell line passport of MA05

Catalogue number: MMES00008

Name: MA05

Description: mouse (*Mus musculus*) embryonic stem cells derived from outbred BALB x 129/Ola blastocyst

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, XY, chromosome number variability 39-42, tetraploid cells 18%, modal chromosome number 40

Pluripotency: pluripotency is shown by expression of specific markers

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 8

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: blastocyst

Date: 01.01.2016

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1007/s10616-014-9751-y>

Cell line passport of MA06

Catalogue number: MMES00009

Name: MA06

Description: mouse (*Mus musculus*) embryonic stem cells derived from outbred BALB x 129/Ola blastocyst

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, XX, chromosome number variability 40-41, tetraploid cells 17%, modal chromosome number 40

Pluripotency: pluripotency is shown by teratoma formation in NU/NU mice and chimeric animal generation

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 4

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: blastocyst

Date: 01.01.2016

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1007/s10616-014-9751-y>

Cell line passport of MA07

Catalogue number: MMES00010

Name: MA07

Description: mouse (*Mus musculus*) embryonic stem cells derived from outbred BALB x 129/Ola blastocyst

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, XX, chromosome number variability 39-43, tetraploid cells 24%, modal chromosome number 40

Pluripotency: pluripotency is shown by expression of specific markers

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 4

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: blastocyst

Date: 01.01.2016

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1007/s10616-014-9751-y>

Cell line passport of MA08

Catalogue number: MMES00011

Name: MA08

Description: mouse (*Mus musculus*) embryonic stem cells derived from outbred BALB x 129/Ola blastocyst

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, XX, chromosome number variability 39-41, tetraploid cells 11%, modal chromosome number 40

Pluripotency: pluripotency is shown by expression of specific markers

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 4

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: blastocyst

Date: 01.01.2016

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1007/s10616-014-9751-y>

Cell line passport of MA09

Catalogue number: MMES00012

Name: MA09

Description: mouse (*Mus musculus*) embryonic stem cells derived from outbred BALB x 129/Ola blastocyst

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, XY, chromosome number variability 39-41, tetraploid cells 8%, modal chromosome number 40

Pluripotency: pluripotency is shown by expression of specific markers

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 4

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: blastocyst

Date: 01.01.2016

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1007/s10616-014-9751-y>

Cell line passport of MA10

Catalogue number: MMES00013

Name: MA10

Description: mouse (*Mus musculus*) embryonic stem cells derived from outbred BALB x 129/Ola blastocyst

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, XX, chromosome number variability 39-43, tetraploid cells 7%, modal chromosome number 40

Pluripotency: pluripotency is shown by expression of specific markers

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 4

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: blastocyst

Date: 01.01.2016

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1007/s10616-014-9751-y>

Cell line passport of MA11

Catalogue number: MMES00014

Name: MA11

Description: mouse (*Mus musculus*) embryonic stem cells derived from outbred BALB x 129/Ola blastocyst

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, XX, chromosome number variability 39-41, tetraploid cells 20%, modal chromosome number 40

Pluripotency: pluripotency is shown by expression of specific markers

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 7

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: blastocyst

Date: 01.01.2016

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1007/s10616-014-9751-y>

Cell line passport of MA12

Catalogue number: MMES00015

Name: MA12

Description: mouse (*Mus musculus*) embryonic stem cells derived from outbred BALB x 129/Ola blastocyst

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, XY, chromosome number variability 39-42, tetraploid cells 2%, modal chromosome number 40, 41

Pluripotency: pluripotency is shown by expression of specific markers

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 5

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: blastocyst

Date: 01.01.2016

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1007/s10616-014-9751-y>

Cell line passport of MA13

Catalogue number: MMES00016

Name: MA13

Description: mouse (*Mus musculus*) embryonic stem cells derived from outbred BALB x 129/Ola blastocyst

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, X0, chromosome number variability 39-43, tetraploid cells 8,6%, modal chromosome number 39

Pluripotency: pluripotency is shown by expression of specific markers

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 4

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: blastocyst

Date: 01.01.2016

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1007/s10616-014-9751-y>

Cell line passport of MA15

Catalogue number: MMES00017

Name: MA15

Description: mouse (*Mus musculus*) embryonic stem cells derived from outbred BALB x 129/Ola blastocyst

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, XY, chromosome number variability 39-45, tetraploid cells 5%, modal chromosome number 40

Pluripotency: pluripotency is shown by teratoma formation in NU/NU mice

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 4

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: blastocyst

Date: 01.01.2016

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1007/s10616-014-9751-y>

Cell line passport of MC01

Catalogue number: MMES00048

Name: MC01

Description: mouse (*Mus musculus*) embryonic stem cells derived from C57BL x (outbred BALB x 129/Ola) blastocyst

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, XX, chromosome number variability 39-45, tetraploid cells 32%, modal chromosome number 41, 40

Pluripotency: pluripotency is shown by expression of specific markers

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 4

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: blastocyst

Date: 01.01.2016

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1007/s10616-014-9751-y>

Cell line passport of MC02

Catalogue number: MMES00049

Name: MC02

Description: mouse (*Mus musculus*) embryonic stem cells derived from C57BL x (outbred BALB x 129/Ola) blastocyst

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, XY, chromosome number variability 39-43, tetraploid cells 16%, modal chromosome number 41, 40

Pluripotency: pluripotency is shown by expression of specific markers

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 5

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: blastocyst

Date: 01.01.2016

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1007/s10616-014-9751-y>

Cell line passport of MC03

Catalogue number: MMES00050

Name: MC03

Description: mouse (*Mus musculus*) embryonic stem cells derived from C57BL x (outbred BALB x 129/Ola) blastocyst

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, XY, chromosome number variability 39-45, tetraploid cells 6%, modal chromosome number 40

Pluripotency: pluripotency is shown by teratoma formation in NU/NU mice

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 6

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: blastocyst

Date: 01.01.2016

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.25%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1007/s10616-014-9751-y>

Cell line passport of MC04

Catalogue number: MMES00051

Name: MC04

Description: mouse (*Mus musculus*) embryonic stem cells derived from C57BL x (outbred BALB x 129/Ola) blastocyst

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, XY, chromosome number variability 41-45, tetraploid cells 15%, modal chromosome number 42

Pluripotency: pluripotency is shown by expression of specific markers

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 5

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: blastocyst

Date: 01.01.2016

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1007/s10616-014-9751-y>

Cell line passport of MC05

Catalogue number: MMES00052

Name: MC05

Description: mouse (*Mus musculus*) embryonic stem cells derived from C57BL x (outbred BALB x 129/Ola) blastocyst

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, XY, chromosome number variability 39-40, tetraploid cells 15%, modal chromosome number 40

Pluripotency: pluripotency is shown by expression of specific markers

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 4

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: blastocyst

Date: 01.01.2016

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1007/s10616-014-9751-y>

Cell line passport of MC06

Catalogue number: MMES00053

Name: MC06

Description: mouse (*Mus musculus*) embryonic stem cells derived from C57BL x (outbred BALB x 129/Ola) blastocyst

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, XX, chromosome number variability 39-41, tetraploid cells 52%, modal chromosome number 40, 78, 79

Pluripotency: pluripotency is shown by expression of specific markers

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 4

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: blastocyst

Date: 01.01.2016

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1007/s10616-014-9751-y>

Cell line passport of MC07

Catalogue number: MMES00054

Name: MC07

Description: mouse (*Mus musculus*) embryonic stem cells derived from C57BL x (outbred BALB x 129/Ola) blastocyst

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, XX, chromosome number variability 40-43, tetraploid cells 18%, modal chromosome number 40

Pluripotency: pluripotency is shown by expression of specific markers

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 4

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: blastocyst

Date: 01.01.2016

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1007/s10616-014-9751-y>

Cell line passport of MC08

Catalogue number: MMES00055

Name: MC08

Description: mouse (*Mus musculus*) embryonic stem cells derived from C57BL x (outbred BALB x 129/Ola) blastocyst

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, XY, chromosome number variability 39-41, tetraploid cells 21%, modal chromosome number 40

Pluripotency: pluripotency is shown by expression of specific markers

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 10

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: blastocyst

Date: 01.01.2016

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1007/s10616-014-9751-y>

Cell line passport of MC09

Catalogue number: MMES00056

Name: MC09

Description: mouse (*Mus musculus*) embryonic stem cells derived from C57BL x (outbred BALB x 129/Ola) blastocyst

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, XX, chromosome number variability 40-43, tetraploid cells 18%, modal chromosome number 40

Pluripotency: pluripotency is shown by expression of specific markers

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 4

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: blastocyst

Date: 01.01.2016

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1007/s10616-014-9751-y>

Cell line passport of MC10

Catalogue number: MMES00057

Name: MC10

Description: mouse (*Mus musculus*) embryonic stem cells derived from C57BL x (outbred BALB x 129/Ola) blastocyst

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, XY, chromosome number variability 40-43, tetraploid cells 18%, modal chromosome number 40

Pluripotency: pluripotency is shown by expression of specific markers

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 11

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: blastocyst

Date: 01.01.2016

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1007/s10616-014-9751-y>

Cell line passport of MC11

Catalogue number: MMES00058

Name: MC11

Description: mouse (*Mus musculus*) embryonic stem cells derived from C57BL x (outbred BALB x 129/Ola) blastocyst

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, XX, chromosome number variability 40-43, tetraploid cells 25%, modal chromosome number 40

Pluripotency: pluripotency is shown by teratoma formation in NU/NU mice

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 6

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: blastocyst

Date: 01.01.2016

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1007/s10616-014-9751-y>

Cell line passport of MC12

Catalogue number: MMES00059

Name: MC12

Description: mouse (*Mus musculus*) embryonic stem cells derived from C57BL x (outbred BALB x 129/Ola) blastocyst

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, XY, chromosome number variability 39-42, tetraploid cells 8%, modal chromosome number 40

Pluripotency: pluripotency is shown by teratoma formation in NU/NU mice

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 3

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: blastocyst

Date: 01.01.2016

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1007/s10616-014-9751-y>

Cell line passport of MC13

Catalogue number: MMES00060

Name: MC13

Description: mouse (*Mus musculus*) embryonic stem cells derived from C57BL x (outbred BALB x 129/Ola) blastocyst

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, XX, chromosome number variability 39-43, tetraploid cells 8%, modal chromosome number 40

Pluripotency: pluripotency is shown by expression of specific markers

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 8

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: blastocyst

Date: 01.01.2016

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1007/s10616-014-9751-y>

Cell line passport of MC15

Catalogue number: MMES00061

Name: MC15

Description: mouse (*Mus musculus*) embryonic stem cells derived from C57BL x (outbred BALB x 129/Ola) blastocyst

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, XY, chromosome number variability 40-44, tetraploid cells 20%, modal chromosome number 41, 42, 43

Pluripotency: pluripotency is shown by expression of specific markers

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 3

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: blastocyst

Date: 01.01.2016

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1007/s10616-014-9751-y>

Cell line passport of MD01

Catalogue number: MMES00062

Name: MD01

Description: mouse (*Mus musculus*) embryonic stem cells derived from DD/c x (outbred BALB x 129/Ola) blastocyst

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, XX, chromosome number variability 39-44, tetraploid cells 26%, modal chromosome number 40

Pluripotency: pluripotency is shown by expression of specific markers

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 7

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: blastocyst

Date: 01.01.2016

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1007/s10616-014-9751-y>

Cell line passport of MD02

Catalogue number: MMES00063

Name: MD02

Description: mouse (*Mus musculus*) embryonic stem cells derived from DD/c x (outbred BALB x 129/Ola) blastocyst

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=40, XXX0, chromosome number variability 40-48, 54-60, tetraploid cells 95%, modal chromosome number 80

Pluripotency: pluripotency is shown by expression of specific markers

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 6

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: blastocyst

Date: 01.01.2016

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1007/s10616-014-9751-y>

Cell line passport of iCD-1wt1

Catalogue number: MMPS00109

Name: iCD-1wt1

Description: mouse (*Mus musculus*) induced pluripotent stem cells derived from 13.5 dpc embryonic fibroblasts from the outbred CD-1 mouse strain

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype:

Pluripotency:

Additional characteristics:

Species control:

Cryoconservation passage: 4

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: embryonic fibroblasts

Date: 01.09.2026

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 20%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml, CHIR99021 (3 µM), PD 0325901 (1 µM)

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of CD-1 mouse strain are used as feeder cells.

References:

Cell line passport of iCD-1wt2

Catalogue number: MMPS00110

Name: iCD-1wt2

Description: mouse (*Mus musculus*) induced pluripotent stem cells derived from 13.5 dpc embryonic fibroblasts from the outbred CD-1 mouse strain

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype:

Pluripotency:

Additional characteristics:

Species control:

Cryoconservation passage: 4

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: embryonic fibroblasts

Date: 01.09.2026

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 20%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml, CHIR99021 (3 µM), PD 0325901 (1 µM)

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of CD-1 mouse strain are used as feeder cells.

References:

Cell line passport of iCD-1wt3

Catalogue number: MMPS00111

Name: iCD-1wt3

Description: mouse (*Mus musculus*) induced pluripotent stem cells derived from 13.5 dpc embryonic fibroblasts from the outbred CD-1 mouse strain

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype:

Pluripotency: expression of the specific marker genes

Additional characteristics:

Species control:

Cryoconservation passage: 4

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: embryonic fibroblasts

Date: 01.09.2026

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 20%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml, CHIR99021 (3 µM), PD 0325901 (1 µM)

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of CD-1 mouse strain are used as feeder cells.

References:

Cell line passport of iCD-1wt4

Catalogue number: MMPS00112

Name: iCD-1wt4

Description: mouse (*Mus musculus*) induced pluripotent stem cells derived from 13.5 dpc embryonic fibroblasts from the outbred CD-1 mouse strain

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype:

Pluripotency:

Additional characteristics:

Species control:

Cryoconservation passage: 4

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: embryonic fibroblasts

Date: 01.09.2026

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 20%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml, CHIR99021 (3 µM), PD 0325901 (1 µM)

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of CD-1 mouse strain are used as feeder cells.

References:

Cell line passport of iCD-1wt5

Catalogue number: MMPS00113

Name: iCD-1wt5

Description: mouse (*Mus musculus*) induced pluripotent stem cells derived from 13.5 dpc embryonic fibroblasts from the outbred CD-1 mouse strain

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype:

Pluripotency:

Additional characteristics:

Species control:

Cryoconservation passage: 4

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: embryonic fibroblasts

Date: 01.09.2026

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 20%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml, CHIR99021 (3 µM), PD 0325901 (1 µM)

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of CD-1 mouse strain are used as feeder cells.

References:

Cell line passport of iCD-1wt6

Catalogue number: MMPS00114

Name: iCD-1wt6

Description: mouse (*Mus musculus*) induced pluripotent stem cells derived from 13.5 dpc embryonic fibroblasts from the outbred CD-1 mouse strain

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype:

Pluripotency: expression of the specific marker genes

Additional characteristics:

Species control:

Cryoconservation passage: 4

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: embryonic fibroblasts

Date: 01.09.2026

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 20%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml, CHIR99021 (3 µM), PD 0325901 (1 µM)

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of CD-1 mouse strain are used as feeder cells.

References:

Cell line passport of iCD-1wt7

Catalogue number: MMPS00115

Name: iCD-1wt7

Description: mouse (*Mus musculus*) induced pluripotent stem cells derived from 13.5 dpc embryonic fibroblasts from the outbred CD-1 mouse strain

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype:

Pluripotency: expression of the specific marker genes

Additional characteristics:

Species control:

Cryoconservation passage: 4

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: embryonic fibroblasts

Date: 01.09.2026

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 20%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml, CHIR99021 (3 µM), PD 0325901 (1 µM)

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of CD-1 mouse strain are used as feeder cells.

References:

Cell line passport of iCD-1wt8

Catalogue number: MMPS00116

Name: iCD-1wt8

Description: mouse (*Mus musculus*) induced pluripotent stem cells derived from 13.5 dpc embryonic fibroblasts from the outbred CD-1 mouse strain

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype:

Pluripotency:

Additional characteristics:

Species control:

Cryoconservation passage: 4

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: embryonic fibroblasts

Date: 01.09.2026

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 20%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml, CHIR99021 (3 µM), PD 0325901 (1 µM)

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of CD-1 mouse strain are used as feeder cells.

References:

Cell line passport of iCD-1wt9

Catalogue number: MMPS00117

Name: iCD-1wt9

Description: mouse (*Mus musculus*) induced pluripotent stem cells derived from 13.5 dpc embryonic fibroblasts from the outbred CD-1 mouse strain

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype:

Pluripotency:

Additional characteristics:

Species control:

Cryoconservation passage: 4

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: embryonic fibroblasts

Date: 01.09.2026

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 20%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml, CHIR99021 (3 µM), PD 0325901 (1 µM)

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of CD-1 mouse strain are used as feeder cells.

References:

Cell line passport of iCD-1F9delG1

Catalogue number: MMPS00118

Name: iCD-1F9delG1

Description: mouse (*Mus musculus*) induced pluripotent stem cells derived from 13.5 dpc embryonic fibroblasts from the FIX-del1 mouse line (based on the outbred CD-1 mouse strain) with the c.1175delG deletion in the catalytic domain of the *F9* gene

Authors: Menzorov A.G., Andrianov V.S., Sokolova O.A., Dome A.S., Reshetnikov V.V.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype:

Pluripotency: expression of the specific marker genes

Additional characteristics: iPSC line derived from 13.5 dpc embryonic fibroblasts from the FIX-del1 mouse line (based on the outbred CD-1 mouse strain) with the c.1175delG deletion in the catalytic domain of the *F9* gene. FIX protein is expressed, but the catalytic activity is absent.

Species control:

Cryoconservation passage: 4

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: embryonic fibroblasts

Date: 01.09.2026

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 20%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml, CHIR99021 (3 µM), PD 0325901 (1 µM)

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of CD-1 mouse strain are used as feeder cells.

References:

Cell line passport of iCD-1F9delG2

Catalogue number: MMPS00119

Name: iCD-1F9delG2

Description: mouse (*Mus musculus*) induced pluripotent stem cells derived from 13.5 dpc embryonic fibroblasts from the FIX-del1 mouse line (based on the outbred CD-1 mouse strain) with the c.1175delG deletion in the catalytic domain of the *F9* gene

Authors: Menzorov A.G., Andrianov V.S., Sokolova O.A., Dome A.S., Reshetnikov V.V.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype:

Pluripotency: expression of the specific marker genes

Additional characteristics: iPSC line derived from 13.5 dpc embryonic fibroblasts from the FIX-del1 mouse line (based on the outbred CD-1 mouse strain) with the c.1175delG deletion in the catalytic domain of the *F9* gene. FIX protein is expressed, but the catalytic activity is absent.

Species control:

Cryoconservation passage: 4

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: embryonic fibroblasts

Date: 01.09.2026

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 20%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml, CHIR99021 (3 µM), PD 0325901 (1 µM)

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of CD-1 mouse strain are used as feeder cells.

References:

Cell line passport of iCD-1F9delG3

Catalogue number: MMPS00120

Name: iCD-1F9delG3

Description: mouse (*Mus musculus*) induced pluripotent stem cells derived from 13.5 dpc embryonic fibroblasts from the FIX-del1 mouse line (based on the outbred CD-1 mouse strain) with the c.1175delG deletion in the catalytic domain of the *F9* gene

Authors: Menzorov A.G., Andrianov V.S., Sokolova O.A., Dome A.S., Reshetnikov V.V.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype:

Pluripotency: expression of the specific marker genes

Additional characteristics: iPSC line derived from 13.5 dpc embryonic fibroblasts from the FIX-del1 mouse line (based on the outbred CD-1 mouse strain) with the c.1175delG deletion in the catalytic domain of the *F9* gene. FIX protein is expressed, but the catalytic activity is absent.

Species control:

Cryoconservation passage: 4

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: embryonic fibroblasts

Date: 01.09.2026

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 20%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml, CHIR99021 (3 µM), PD 0325901 (1 µM)

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of CD-1 mouse strain are used as feeder cells.

References:

Cell line passport of iCD-1F9delG4

Catalogue number: MMPS00121

Name: iCD-1F9delG4

Description: mouse (*Mus musculus*) induced pluripotent stem cells derived from 13.5 dpc embryonic fibroblasts from the FIX-del1 mouse line (based on the outbred CD-1 mouse strain) with the c.1175delG deletion in the catalytic domain of the *F9* gene

Authors: Menzorov A.G., Andrianov V.S., Sokolova O.A., Dome A.S., Reshetnikov V.V.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype:

Pluripotency: expression of the specific marker genes

Additional characteristics: iPSC line derived from 13.5 dpc embryonic fibroblasts from the FIX-del1 mouse line (based on the outbred CD-1 mouse strain) with the c.1175delG deletion in the catalytic domain of the *F9* gene. FIX protein is expressed, but the catalytic activity is absent.

Species control:

Cryoconservation passage: 4

Area of application: transgenesis, developmental biology

Source

Species: *Mus musculus*

Tissue: embryonic fibroblasts

Date: 01.09.2026

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 20%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml, CHIR99021 (3 µM), PD 0325901 (1 µM)

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of CD-1 mouse strain are used as feeder cells.

References:

Hybrid cells

Cell line passport of tme13

Catalogue number: MMHC00042

Name: tme13

Description: hybrid cells produced by mouse tau-GFP ES cell and m5S embryonic fibroblast fusion, embryonic stem cell phenotype

Authors: Matveeva N.M.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 4n=80, XX0, 83% of the cells have number of chromosomes 66-79

Pluripotency: pluripotency is shown by expression of specific markers

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 10

Area of application: study of pluripotency, developmental biology

Source

Species: *Mus musculus*

Tissue:

Date: 01.01.2017

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1038/s41598-017-18352-4>

Cell line passport of tme14

Catalogue number: MMHC00043

Name: tme14

Description: hybrid cells produced by mouse tau-GFP ES cell and m5S embryonic fibroblast fusion, embryonic stem cell phenotype

Authors: Matveeva N.M.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 4n=80, XX0, 92% of the cells have number of chromosomes 69-77

Pluripotency: pluripotency is shown by expression of specific markers

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 17

Area of application: study of pluripotency, developmental biology

Source

Species: *Mus musculus*

Tissue:

Date: 01.01.2017

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1038/s41598-017-18352-4>

Cell line passport of tme17

Catalogue number: MMHC00044

Name: tme17

Description: hybrid cells produced by mouse tau-GFP ES cell and m5S embryonic fibroblast fusion, embryonic stem cell phenotype

Authors: Matveeva N.M.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 4n=80, XX0, 75% of the cells have number of chromosomes 71-79

Pluripotency: pluripotency is shown by expression of specific markers

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 10

Area of application: study of pluripotency, developmental biology

Source

Species: *Mus musculus*

Tissue:

Date: 01.01.2017

Cell culture

Morphology: mouse pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1038/s41598-017-18352-4>

Cell line passport of tmf1

Catalogue number: MMHC00045

Name: tmf1

Description: hybrid cells produced by mouse tau-GFP ES cell and m5S embryonic fibroblast fusion, fibroblast phenotype

Authors: Matveeva N.M.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 4n=80, XXY, 90% of the cells have number of chromosomes 69-82

Pluripotency:

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 7

Area of application: study of pluripotency, developmental biology

Source

Species: *Mus musculus*

Tissue:

Date: 01.01.2017

Cell culture

Morphology: fibroblast morphology

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.25%, split 1:3 - 1:6

Cryoconservation: 90% FBS, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information:

References: <https://doi.org/10.1038/s41598-017-18352-4>

Cell line passport of tmf2

Catalogue number: MMHC00046

Name: tmf2

Description: hybrid cells produced by mouse tau-GFP ES cell and m5S embryonic fibroblast fusion, fibroblast phenotype

Authors: Matveeva N.M.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 4n=80, XXY, 76% of the cells have number of chromosomes 71-82

Pluripotency:

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 6

Area of application: study of pluripotency, developmental biology

Source

Species: *Mus musculus*

Tissue:

Date: 01.01.2017

Cell culture

Morphology: fibroblast morphology

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.25%, split 1:3 - 1:6

Cryoconservation: 90% FBS, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information:

References: <https://doi.org/10.1038/s41598-017-18352-4>

Cell line passport of tmf5

Catalogue number: MMHC00047

Name: tmf5

Description: hybrid cells produced by mouse tau-GFP ES cell and m5S embryonic fibroblast fusion, fibroblast phenotype

Authors: Matveeva N.M.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 4n=80, XXY, 86% of the cells have number of chromosomes 73-81

Pluripotency:

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 6

Area of application: study of pluripotency, developmental biology

Source

Species: *Mus musculus*

Tissue:

Date: 01.01.2017

Cell culture

Morphology: fibroblast morphology

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.25%, split 1:3 - 1:6

Cryoconservation: 90% FBS, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information:

References: <https://doi.org/10.1038/s41598-017-18352-4>

American mink pluripotent stem cells

Cell line passport of MES12

Catalogue number: NVES00003

Name: MES12

Description: american mink (*Neogale vison*) embryonic stem cells derived from morula

Authors: Sukoyan M.A.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=30, XY

Pluripotency: pluripotency is shown by embrioid body formation and teratoma formation in immunodeficient mice

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 11

Area of application: study of pluripotency, developmental biology

Source

Species: *Neogale vison*

Tissue: morula

Date: 01.01.1993

Cell culture

Morphology: mink pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: a-MEM, ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.25%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1186/1471-2164-16-S13-S6>

Cell line passport of MES20

Catalogue number: NVES00018

Name: MES20

Description: american mink (*Neogale vison*) embryonic stem cells derived from morula

Authors: Matveeva N.M.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=30, XY, chromosome number variability 29-30, ~60, tetraploid cells 71%, modal chromosome number ~60

Pluripotency: pluripotency is shown by teratoma formation in SCID mice

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 4

Area of application: study of pluripotency, developmental biology

Source

Species: *Neogale vison*

Tissue: morula

Date: 01.01.2015

Cell culture

Morphology: mink pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: DMEM (glucose 4.5 g/l), ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM, LIF 1000 U/ml

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.05%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1186/1471-2164-16-S13-S6>

Cell line passport of MES22

Catalogue number: NVES00019

Name: MES22

Description: american mink (*Neogale vison*) embryonic stem cells derived from morula

Authors: Matveeva N.M.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=30, XY, chromosome number variability 29-32, tetraploid cells 18%, modal chromosome number 30

Pluripotency: pluripotency is shown by teratoma formation in SCID mice

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 10

Area of application: study of pluripotency, developmental biology

Source

Species: *Neogale vison*

Tissue: morula

Date: 01.01.2015

Cell culture

Morphology: mink pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: a-MEM, ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.25%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1186/1471-2164-16-S13-S6>

Cell line passport of MES24

Catalogue number: NVES00020

Name: MES24

Description: american mink (*Neogale vison*) embryonic stem cells derived from morula

Authors: Matveeva N.M.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=30, XY, chromosome number variability 29-32, tetraploid cells 12%, modal chromosome number 30

Pluripotency: pluripotency is shown by teratoma formation in SCID mice

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 3

Area of application: study of pluripotency, developmental biology

Source

Species: *Neogale vison*

Tissue: morula

Date: 01.01.2015

Cell culture

Morphology: mink pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: a-MEM, ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.25%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1186/1471-2164-16-S13-S6>

Cell line passport of MES25

Catalogue number: NVES00021

Name: MES25

Description: american mink (*Neogale vison*) embryonic stem cells derived from morula

Authors: Matveeva N.M.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=30, XX, chromosome number variability 29-30, tetraploid cells 6%, modal chromosome number 30

Pluripotency: pluripotency is shown by expression of specific markers

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 3

Area of application: study of pluripotency, developmental biology

Source

Species: *Neogale vison*

Tissue: morula

Date: 01.01.2015

Cell culture

Morphology: mink pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: a-MEM, ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.25%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1186/1471-2164-16-S13-S6>

Cell line passport of MES27

Catalogue number: NVES00022

Name: MES27

Description: american mink (*Neogale vison*) embryonic stem cells derived from morula

Authors: Matveeva N.M.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=30, XY, chromosome number variability 29-32, tetraploid cells 7%, modal chromosome number 30

Pluripotency: pluripotency is shown by expression of specific markers

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 4

Area of application: study of pluripotency, developmental biology

Source

Species: *Neogale vison*

Tissue: morula

Date: 01.01.2015

Cell culture

Morphology: mink pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: a-MEM, ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.25%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1186/1471-2164-16-S13-S6>

Cell line passport of MES29

Catalogue number: NVES00023

Name: MES29

Description: american mink (*Neogale vison*) embryonic stem cells derived from morula

Authors: Matveeva N.M.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=30, XY, chromosome number variability 29-32, tetraploid cells 6%, modal chromosome number 30

Pluripotency: pluripotency is shown by teratoma formation in SCID mice

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 3

Area of application: study of pluripotency, developmental biology

Source

Species: *Neogale vison*

Tissue: morula

Date: 01.01.2015

Cell culture

Morphology: mink pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: a-MEM, ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.25%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1186/1471-2164-16-S13-S6>

Cell line passport of iNV1XX1

Catalogue number: NVPS00066

Name: iNV1XX1

Description: american mink (*Neogale vison*) induced pluripotent stem cells derived from embryonic fibroblasts

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=30, XX, chromosome number variability 29-35, tetraploid cells 2%, modal chromosome number 30

Pluripotency: pluripotency is shown by expression of specific markers

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 3

Area of application: study of pluripotency, developmental biology

Source

Species: *Neogale vison*

Tissue: fibroblasts

Date: 01.11.2017

Cell culture

Morphology: mink pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: a-MEM, ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.25%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.18699/LettersVJ-2022-8-10>

Cell line passport of iNV1XX2

Catalogue number: NVPS00067

Name: iNV1XX2

Description: american mink (*Neogale vison*) induced pluripotent stem cells derived from embryonic fibroblasts

Authors: Menzorov A.G.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=30, XX, chromosome number variability 29-35, tetraploid cells 4%, modal chromosome number 30

Pluripotency: pluripotency is shown by expression of specific markers

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 3

Area of application: study of pluripotency, developmental biology

Source

Species: *Neogale vison*

Tissue: fibroblasts

Date: 01.11.2017

Cell culture

Morphology: mink pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: a-MEM, ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.25%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.18699/LettersVJ-2022-8-10>

Cell line passport of iNV3

Catalogue number: NVPS00024

Name: iNV3

Description: american mink (*Neogale vison*) induced pluripotent stem cells derived from embryonic fibroblasts

Authors: Menzorov A.G., Matveeva N.M., Khabarova A.A.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=30, XY, chromosome number variability 29-32, modal chromosome number 30

Pluripotency: pluripotency is shown by teratoma formation in SCID mice

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 3

Area of application: study of pluripotency, developmental biology

Source

Species: *Neogale vison*

Tissue: fibroblasts

Date: 01.01.2015

Cell culture

Morphology: mink pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: a-MEM, ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.25%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1186/1471-2164-16-S13-S6>

Cell line passport of iNV5

Catalogue number: NVPS00025

Name: iNV5

Description: american mink (*Neogale vison*) induced pluripotent stem cells derived from embryonic fibroblasts

Authors: Menzorov A.G., Matveeva N.M., Khabarova A.A.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=30, XY, chromosome number variability 29-30, tetraploid cells 7%, modal chromosome number 30

Pluripotency: pluripotency is shown by teratoma formation in SCID mice

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 3

Area of application: study of pluripotency, developmental biology

Source

Species: *Neogale vison*

Tissue: fibroblasts

Date: 01.01.2015

Cell culture

Morphology: mink pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: a-MEM, ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.25%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1186/1471-2164-16-S13-S6>

Cell line passport of iNV6

Catalogue number: NVPS00026

Name: iNV6

Description: american mink (*Neogale vison*) induced pluripotent stem cells derived from embryonic fibroblasts

Authors: Menzorov A.G., Matveeva N.M., Khabarova A.A.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=30, XY, chromosome number variability 29-32, tetraploid cells 7%, modal chromosome number 30

Pluripotency: pluripotency is shown by teratoma formation in SCID mice

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 6

Area of application: study of pluripotency, developmental biology

Source

Species: *Neogale vison*

Tissue: fibroblasts

Date: 01.01.2015

Cell culture

Morphology: mink pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: a-MEM, ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.25%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1186/1471-2164-16-S13-S6>

Cell line passport of iNV7

Catalogue number: NVPS00027

Name: iNV7

Description: american mink (*Neogale vison*) induced pluripotent stem cells derived from embryonic fibroblasts

Authors: Menzorov A.G., Matveeva N.M., Khabarova A.A.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=30, XY, chromosome number variability 30-32, tetraploid cells 10%, modal chromosome number 30

Pluripotency: pluripotency is shown by teratoma formation in SCID mice

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 10

Area of application: study of pluripotency, developmental biology

Source

Species: *Neogale vison*

Tissue: fibroblasts

Date: 01.01.2015

Cell culture

Morphology: mink pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: a-MEM, ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.25%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1186/1471-2164-16-S13-S6>

Cell line passport of iNV9

Catalogue number: NVPS00028

Name: iNV9

Description: american mink (*Neogale vison*) induced pluripotent stem cells derived from embryonic fibroblasts

Authors: Menzorov A.G., Matveeva N.M., Khabarova A.A.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=30, XY, chromosome number variability 29-30, tetraploid cells 9%, modal chromosome number 30

Pluripotency: pluripotency is shown by expression of specific markers

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 12

Area of application: study of pluripotency, developmental biology

Source

Species: *Neogale vison*

Tissue: fibroblasts

Date: 01.01.2015

Cell culture

Morphology: mink pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: a-MEM, ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.25%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1186/1471-2164-16-S13-S6>

Cell line passport of iNV11

Catalogue number: NVPS00029

Name: iNV11

Description: american mink (*Neogale vison*) induced pluripotent stem cells derived from embryonic fibroblasts

Authors: Menzorov A.G., Matveeva N.M., Khabarova A.A.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=30, XY, chromosome number variability 29-32, tetraploid cells 9%, modal chromosome number 30

Pluripotency: pluripotency is shown by teratoma formation in SCID mice

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 11

Area of application: study of pluripotency, developmental biology

Source

Species: *Neogale vison*

Tissue: fibroblasts

Date: 01.01.2015

Cell culture

Morphology: mink pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: a-MEM, ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.25%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1186/1471-2164-16-S13-S6>

Cell line passport of iNV13

Catalogue number: NVPS00030

Name: iNV13

Description: american mink (*Neogale vison*) induced pluripotent stem cells derived from embryonic fibroblasts

Authors: Menzorov A.G., Matveeva N.M., Khabarova A.A.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=30, XY, chromosome number variability 29-30, tetraploid cells 3%, modal chromosome number 30

Pluripotency: pluripotency is shown by teratoma formation in SCID mice

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 3

Area of application: study of pluripotency, developmental biology

Source

Species: *Neogale vison*

Tissue: fibroblasts

Date: 01.01.2015

Cell culture

Morphology: mink pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: a-MEM, ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.25%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1186/1471-2164-16-S13-S6>

Cell line passport of iNV15

Catalogue number: NVPS00031

Name: iNV15

Description: american mink (*Neogale vison*) induced pluripotent stem cells derived from embryonic fibroblasts

Authors: Menzorov A.G., Matveeva N.M., Khabarova A.A.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=30, XY, chromosome number variability 29-32, tetraploid cells 6%, modal chromosome number 30

Pluripotency: pluripotency is shown by teratoma formation in SCID mice

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 3

Area of application: study of pluripotency, developmental biology

Source

Species: *Neogale vison*

Tissue: fibroblasts

Date: 01.01.2015

Cell culture

Morphology: mink pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: a-MEM, ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.25%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1186/1471-2164-16-S13-S6>

Cell line passport of iNV18

Catalogue number: NVPS00032

Name: iNV18

Description: american mink (*Neogale vison*) induced pluripotent stem cells derived from embryonic fibroblasts

Authors: Menzorov A.G., Matveeva N.M., Khabarova A.A.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=30, XY, chromosome number variability 29-32, tetraploid cells 8%, modal chromosome number 30

Pluripotency: pluripotency is shown by expression of specific markers

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 6

Area of application: study of pluripotency, developmental biology

Source

Species: *Neogale vison*

Tissue: fibroblasts

Date: 01.01.2015

Cell culture

Morphology: mink pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: a-MEM, ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.25%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1186/1471-2164-16-S13-S6>

Cell line passport of iNV19

Catalogue number: NVPS00033

Name: iNV19

Description: american mink (*Neogale vison*) induced pluripotent stem cells derived from embryonic fibroblasts

Authors: Menzorov A.G., Matveeva N.M., Khabarova A.A.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=30, XY, chromosome number variability 29-30, tetraploid cells 8%, modal chromosome number 30

Pluripotency: pluripotency is shown by teratoma formation in SCID mice

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 4

Area of application: study of pluripotency, developmental biology

Source

Species: *Neogale vison*

Tissue: fibroblasts

Date: 01.01.2015

Cell culture

Morphology: mink pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: a-MEM, ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.25%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1186/1471-2164-16-S13-S6>

Cell line passport of iNV20

Catalogue number: NVPS00034

Name: iNV20

Description: american mink (*Neogale vison*) induced pluripotent stem cells derived from embryonic fibroblasts

Authors: Menzorov A.G., Matveeva N.M., Khabarova A.A.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n=30, XY, chromosome number variability 29-32, tetraploid cells 21%, modal chromosome number 30

Pluripotency: pluripotency is shown by teratoma formation in SCID mice

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 3

Area of application: study of pluripotency, developmental biology

Source

Species: *Neogale vison*

Tissue: fibroblasts

Date: 01.01.2015

Cell culture

Morphology: mink pluripotent stem cell colonies

Cell culture method: monolayer

Cell culture medium: a-MEM, ES cell qualified FBS 15%, NEAA 1%, Glutamine 1%, PenStrep 1%, 2-Mercaptoethanol 0.1 mM

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: passage with trypsin-EDTA 0.25%, split 1:3 - 1:6

Cryoconservation: 90% KSR, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information: Plastic is coated with 0.1% gelatin. 13.5 dpc fibroblasts of ICR mouse strain are used as feeder cells.

References: <https://doi.org/10.1186/1471-2164-16-S13-S6>

Immortalised cell lines

Cell line passport of CHO-hCNTN6-HA

Catalogue number: CGOC00103

Name: CHO-hCNTN6-HA

Description: genetically modified CHO cell line (Chinese hamster ovary cells, *Cricetulus griseus*) with a constitutive expression of the human *CNTN6* gene and HA-tag

Authors: Yunusova A.M., Chvileva A.S., Shnaider T.A.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n = 22, chromosome number variability 16-20, modal chromosome number 19, polyploid cells 13%

Pluripotency:

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 22

Area of application: Notch signaling pathway study

Source

Species: *Cricetulus griseus*

Tissue: ovary

Date: 09.10.2024

Cell culture

Morphology: epithelial-like cells

Cell culture method: monolayer

Cell culture medium: DMEM/F12, FBS 10%, PenStrep 1%

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: cell passage with 0.25% Trypsin-EDTA at the ratio 1:3 - 1:10

Cryoconservation: 50% FBS, 40% DMEM/F12, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 90%

Additional information:

References:

Cell line passport of CHO-hDLL1-HA

Catalogue number: CGOC00104

Name: CHO-hDLL1-HA

Description: genetically modified CHO cell line (Chinese hamster ovary cells, *Cricetulus griseus*) with a constitutive expression of the human *DLL1* gene and HA-tag

Authors: Yunusova A.M., Chvileva A.S., Shnaider T.A.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n = 22, chromosome number variability 19-22, modal chromosome number 20, polyploid cells 9%

Pluripotency:

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 20

Area of application: Notch signaling pathway study

Source

Species: *Cricetulus griseus*

Tissue: ovary

Date: 09.10.2024

Cell culture

Morphology: epithelial-like cells

Cell culture method: monolayer

Cell culture medium: DMEM/F12, FBS 10%, PenStrep 1%

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: cell passage with 0.25% Trypsin-EDTA at the ratio 1:3 - 1:10

Cryoconservation: 50% FBS, 40% DMEM/F12, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 90%

Additional information:

References:

Cell line passport of CHO-hNOTCH1-FLAG

Catalogue number: CGOC00105

Name: CHO-hNOTCH1-FLAG

Description: genetically modified CHO cell line (Chinese hamster ovary cells, *Cricetulus griseus*) with a constitutive expression of the human *NOTCH1* gene and FLAG-tag

Authors: Yunusova A.M., Chvileva A.S., Shnaider T.A.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n = 22, chromosome number variability 18-21, modal chromosome number 20, polyploid cells 12%

Pluripotency:

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 23

Area of application: Notch signaling pathway study

Source

Species: *Cricetulus griseus*

Tissue: ovary

Date: 09.10.2024

Cell culture

Morphology: epithelial-like cells

Cell culture method: monolayer

Cell culture medium: DMEM/F12, FBS 10%, PenStrep 1%

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: cell passage with 0.25% Trypsin-EDTA at the ratio 1:3 - 1:10

Cryoconservation: 50% FBS, 40% DMEM/F12, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 90%

Additional information:

References:

Cell line passport of CHO-hNOTCH2-FLAG

Catalogue number: CGOC00106

Name: CHO-hNOTCH2-FLAG

Description: genetically modified CHO cell line (Chinese hamster ovary cells, *Cricetulus griseus*) with a constitutive expression of the human *NOTCH2* gene and FLAG-tag

Authors: Yunusova A.M., Chvileva A.S., Shnaider T.A.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2n = 22, chromosome number variability 20-21, modal chromosome number 21, polyploid cells 15%

Pluripotency:

Additional characteristics:

Species control: cytogenetic

Cryoconservation passage: 23

Area of application: Notch signaling pathway study

Source

Species: *Cricetulus griseus*

Tissue: ovary

Date: 09.10.2024

Cell culture

Morphology: epithelial-like cells

Cell culture method: monolayer

Cell culture medium: DMEM/F12, FBS 10%, PenStrep 1%

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: cell passage with 0.25% Trypsin-EDTA at the ratio 1:3 - 1:10

Cryoconservation: 50% FBS, 40% DMEM/F12, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 90%

Additional information:

References:

Bird fibroblasts

Cell line passport of OFC1A

Catalogue number: PMOF00097

Name: OFC1A

Description: Great tit ovary cells with fibroblast morphology

Authors: Pristyazhnyuk I.E., Malinovskaya L.P.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype: 2N,ZW, 6 pairs of macrochromosomes, 33 pairs of microchromosomes

Pluripotency:

Additional characteristics: presence of rearranged chromosome homologues to chromosomes 4, 5 or 6.

Species control: cytogenetic

Cryoconservation passage: 8

Area of application:

Source

Species: *Parus major*

Tissue: ovary

Date: 26.08.2022

Cell culture

Morphology: fibroblast-like cells

Cell culture method: monolayer

Cell culture medium: DMEM, FBS 10%, 2% chicken serum, NEAA 1%, Glutamine 1%, PenStrep 1%

Cell culture conditions: 37°C, 5% CO₂

Passage protocol: cell passage with Trypsin-EDTA at the ratio 1:3

Cryoconservation: 50% FBS, 40% DMEM, 10% DMSO

Cryoconservation cell concentration: 0.5 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information:

References: <https://doi.org/10.3390/ani12131724>

Protists

Cell line passport of THAU1

Catalogue number: TAHE00071

Name: THAU1

Description: the protist *Thraustochytrium aureum* ssp. *strugatskii* was isolated from the dissociated comb jelly *Beroe ovata* (from the Black Sea)

Authors: Menzorov A.G., Doroshkov A.V.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype:

Pluripotency:

Additional characteristics:

Species control: rRNA sequencing

Cryoconservation passage: 10

Area of application: biotechnology, fatty acid production, study of the Labyrinthulea life cycle

Source

Species: *Thraustochytrium aureum* ssp. *strugatskii*

Tissue:

Date: 26.11.2020

Cell culture

Morphology: "colonies" of cells

Cell culture method: monolayer

Cell culture medium: a) FAND culture medium: 17 ASW, 5% FBS, 5% DMEM (prepared from powder on 17‰ ASW), x0.05 NEAA, x1 PenStrep; b) 790 By+ (ATCC)

Cell culture conditions: room temperature

Passage protocol: manual passage (scraping and resuspending) at the ratio 1:10 - 1:100

Cryoconservation: 90% FBS, 10% DMSO

Cryoconservation cell concentration: 1 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information:

References: <http://dx.doi.org/10.7717/peerj.12737>

Cell line passport of THCA1

Catalogue number: TAHE00107

Name: THCA1

Description: the protist *Thraustochytrium caudivorum* was isolated from the biota of the free-living flatworm *Macrostomum lignano*

Authors: Menzorov A.G., Biryukov M.Yu.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype:

Pluripotency:

Additional characteristics:

Species control: rRNA sequencing (NCBI Genbank PV862890.1 and PV862891.1)

Cryoconservation passage: 12

Area of application: study of host-parasite interactions, study of the life cycle of Labyrinthulea

Source

Species: *Thraustochytrium caudivorum*

Tissue:

Date: 22.07.2025

Cell culture

Morphology: single cells

Cell culture method: monolayer

Cell culture medium: 790 By+ (ATCC)

Cell culture conditions: room temperature

Passage protocol: manual passage (scraping and resuspending) at the ratio 1:2 - 1:5

Cryoconservation: 90% FBS, 10% DMSO

Cryoconservation cell concentration: 1 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information:

References:

Cell line passport of THKI1

Catalogue number: TAHE00108

Name: THKI1

Description: the protist *Thraustochytrium kinnei* was isolated from the dissociated comb jelly *Beroe ovata* (from the Black Sea)

Authors: Menzorov A.G., Doroshkov A.V.

Contamination analysis: bacteria, fungi and mycoplasma not detected

Karyotype:

Pluripotency:

Additional characteristics:

Species control: rRNA sequencing

Cryoconservation passage: 8

Area of application: biotechnology, fatty acid production, study of the Labyrinthulea life cycle

Source

Species: *Thraustochytrium kinnei*

Tissue:

Date: 13.02.2025

Cell culture

Morphology: “colonies” of cells

Cell culture method: monolayer

Cell culture medium: a) 790 By+ (ATCC); b) FAND culture medium: 17 ASW, 5% FBS, 5% DMEM (prepared from powder on 17‰ ASW), x0.05 NEAA, x1 PenStrep

Cell culture conditions: room temperature

Passage protocol: manual passage (scraping and resuspending) at the ratio 1:10 - 1:100

Cryoconservation: 90% FBS, 10% DMSO

Cryoconservation cell concentration: 1 mln cells / ml

Cell viability after cryoconservation: 70%

Additional information:

References: <http://dx.doi.org/10.7717/peerj.12737>