

ATCC Website Field Search Categories

The cell lines and hybridomas field search categories are described below:

- All Fields - same as Full Text Search.
- ATCC Number - please always include the dash between the letters and numbers, i.e. CRL-1573, HTB-14. Without the dash the search may be unsuccessful.
- Organism - genus/species of the organism from which the culture was derived.
- Designation - otherwise known as the name of the cell line.
- Depositor - name of the person or institution that submitted samples of the cells to ATCC for accessioning.
- Source - searches tissue, metastatic site, organ, etc. Useful when searching for hybridoma cell lines. When searching for hybridoma cell lines only, the key is to use the term hybridoma in this field. Also useful when looking for a specific type of cell (e.g. adenocarcinoma, kidney, etc.).
- Cellular products - useful when looking for a cell line that produces a product (e.g. melanin).
- Receptors - useful when looking for a cell line that expresses a receptor (e.g. EGFR, FGFR, etc.).
- Oncogene - looks for a specific oncogenic mutation (e.g. p53, Ras, etc.).
- Morphology - describes the cell type (usually comes from the depositor's submission form or references); may sometimes be different from Growth properties.
- Comments - searches comments that have been listed from the depositor's references.
- Contaminants - primarily viral.
- Age - age of the organism from which the cells were derived.
- Ethnicity - ethnic origin of the organism from which the cells were derived (limited to human).
- Gender - sex of the organism from which the cells were derived.
- Growth Properties - cells behavior in a culture vessel, not growth rate but its attachment. Key search terms here are suspension, adherent, or mixed. You may also use both terms suspension and adherent in this field.
- Genotype - good to use when looking for a specific translocation, mutation, etc. within the genome.
- Antigen Expression - virus coded cell surface antigens.
- Virus Susceptibility - if known, includes a list of viruses that will infect this cell line.
- Isoenzymes - displays the isoenzymes used in our QC to identify the cell line.
- Isotype - mainly refers to hybridomas producing antibody. The isotype refers to the antibody produced by the cell line.
- Cytogenic analysis - karyotype.
- Subculturing - procedure to subculture or passage the cell line.
- Applications - uses of the cells in the depositor's research.
- DNA Profile (STR) - part of the Quality Control performed at ATCC on our human cell lines. Not present/available for all cell lines but present for most human cell lines. STR database access available outside of the Advanced Field Search.
- Virus Resistance - if known, a list of viruses to which these cells are resistant.

The primary cells field search categories are described below:

- ATCC Number - please always include the dash between the letters and numbers, i.e. PCS-400-010. Without the dash the search may be unsuccessful.
- All Fields - same as Full Text Search.
- Name - name or designation of the cells.
- Organism - genus/species of the organism from which the culture was derived.
- Source - searches tissue, organ, etc. also useful when looking for a specific type of cells (e.g. kidney, etc.).
- Morphology - describes the cell type.
- Comments - searches comments that have been listed for this particular culture.
- Age - age of the organism from which the cells were derived.
- Ethnicity - ethnic origin of the organism from which the cells were derived (limited to human).
- Gender - sex of the organism from which the cells were derived.

- Growth properties - cells behavior in a culture vessel, not growth rate but its attachment. Key search terms here are suspension, adherent, or mixed. You may also use both terms suspension and adherent in this field.

The animal virus field search categories are described below:

- All Fields - same as Full Text Search.
- ATCC Number - please always include the dash between the letters and numbers, i.e. VR-5, VR-1360. Without the dash the search may be unsuccessful.
- Agent - specific name of the virus.
- Strain - subgroup of the virus, identifying it from different subgroups of the same species.
- Depositor - name of the person or institution that submitted samples of the virus to ATCC for accessioning.
- Recommended Host - preferred host for the virus, usually the one ATCC uses.
- Original Source - where the virus was isolated from originally.
- Classification - taxonomical grouping of the virus.
- Host Organism - cells or organism in which the virus is grown or is isolated from.
- Effect - effect the virus has on the host cell or organism.
- Comments - searches comments that have been listed from the depositor's references.
- Propagation - basic method of propagating the virus.

The bacteria field search categories are described below:

- All Fields - same as Full Text Search.
- ATCC Number - please always include the dash between the letters and numbers, i.e. BAA-390. Without the dash the search may be unsuccessful.
- Organism - genus/species of the organism from which the culture was derived.
- Designation - otherwise known as the name of the bacteria.
- Depositor - name of the person or institution that submitted samples of the bacteria to ATCC for accessioning.
- History - history of deposits of this bacteria prior to ATCC.
- Subtaxon - taxonomical grouping of the bacteria.
- Isolation - location or organism from which the bacterium was isolated.
- Applications - uses of the bacteria in the depositor's research.
- Genotype - unique genetic properties of the bacterial strain, often referring to specific mutations.
- Antigenic Properties - specific molecular characteristics generally used for serotyping the bacteria.
- Comments - searches comments that have been listed from the depositor's references.
- Propagation - basic method of propagating the bacteria.

The bacteriophage field search categories are described below:

- All Fields - same as Full Text Search.
- ATCC Number - please always include the dash between the letters and numbers, i.e. 12826-B1. Without the dash the search may be unsuccessful.
- Organism - genus/species of the organism from which the culture was derived.
- Designation - otherwise known as the name of the bacteriophage.
- Depositor - name of the person or institution that submitted samples of the bacteriophage to ATCC for accessioning.
- Host Range - range of bacteria which the bacteriophage will infect.
- Applications - uses of the bacteria in the depositor's research.
- Comments - searches comments that have been listed from the depositor's references.
- Propagation - basic method of propagating the bacteriophage.

The fungi and yeasts field search categories are described below:

- All Fields - same as Full Text Search.
- ATCC Number - please always include the dash between the letters and numbers, i.e. MYA-3647. Without the dash the search may be unsuccessful.
- Organism - genus/species of the organism from which the culture was derived.
- Designation - otherwise known as the name of the fungus or yeast.
- Depositor - name of the person or institution that submitted samples of the fungus or yeast to ATCC for accessioning.
- History - history of deposits of this fungus or yeast prior to ATCC.
- Subtaxon - taxonomical grouping of the fungus or yeast.
- Isolation - location or organism from which the fungus or yeast was isolated.
- Applications - uses of the fungus or yeast in the depositor's research.
- Genotype - unique genetic properties of the strain of fungi or yeast, often referring to specific mutations or mating type.
- Antigenic Properties - specific molecular characteristics generally used for serotyping the fungus or yeast.
- Comments - searches comments that have been listed from the depositor's references.
- Mating Type - fungal equivalent of gender. For example, a or alpha.
- Phenotype - features which form the observable expression of the fungus or yeast's genotype.
- Propagation - basic method of propagating the fungus or yeast.

The genomic libraries field search categories are described below:

- ATCC Number - ATCC® catalog number for the library
- Species / Organism - the genus/species of the organism from which the DNA was derived.
- Source Tissue - searches what tissue, metastatic site, organ, etc. the DNA was derived from.
- Designation / Name - name of the library.
- Vector - name of the vector.
- Vector Type - grouping the vector by functionality.

The hosts for vectors field search categories are described below:

- ATCC Number - ATCC® catalog number for the host organism.
- Organism - genus/species of the organism from which the culture was derived.
- Name - the name of the host.
- Genotype - unique genetic properties of the host, often referring to specific mutations.
- Depositor - name of the person or institution that submitted samples of the host to ATCC for accessioning.

The patents field search categories are described below:

- All Fields - same as Full Text Search.
- ATCC Number - please always include the dash between the letters and numbers, i.e. HB-8093, CRL-8163. Without the dash the search may be unsuccessful.
- Patent Number - number assigned to the patent by the U.S. Patent Office when the patent is issued. Please always include the commas, otherwise the search may be unsuccessful.
- Designation - otherwise known as the name of the patent material.

The plant seeds field search categories are described below:

- All Fields - same as Full Text Search.
- ATCC Number - ATCC® catalog number for the plant seed.
- Organism - genus/species of the plant from which the seed was obtained.
- Designation - otherwise known as the name of the plant seed.
- Depositor - name of the person or institution that submitted samples of the plant seed to ATCC for accessioning.
- Applications - uses of the plant seed in the depositor's research.
- Genotype - unique genetic properties of the plant seed, often referring to specific mutations.
- Comments - searches comments that have been listed from the depositor's references

The plant viruses field search categories are described below:

- All Fields - same as Full Text Search.
- ATCC Number - please always include the dash between the letters and numbers, i.e. PV-687, PVAS-498. Without the dash the search may be unsuccessful.
- Organism - genus/species of the organism from which the culture was derived.
- Designation - otherwise known as the name of the virus.
- Depositor - name of the person or institution that submitted samples of the virus to ATCC for accessioning.
- Isolation - location or organism from which the virus was isolated.
- Comments - searches comments that have been listed from the depositor's references

The protozoa and algae field search categories are described below:

- All Fields - same as Full Text Search.
- ATCC Number - please always include the dash between the letters and numbers, i.e. PRA-96, PRA-260. Without the dash the search may be unsuccessful.
- Organism - genus/species of the organism from which the culture was derived.
- Designation - otherwise known as the name of the protozoa or algae.
- Depositor - name of the person or institution that submitted samples of the protozoa or algae to ATCC for accessioning.
- History - history of deposits of this protozoa or algae prior to ATCC.
- Classification - taxonomical grouping of the protozoa or algae.
- Isolation - location or organism from which the protozoa or algae was isolated.
- Applications - uses of the protozoa or algae in the depositor's research.
- Comments - searches comments that have been listed from the depositor's references.
- Cross-Reference -
- Propagation - basic method of propagating the protozoa or algae.

The standards resource field search categories are described below:

- Organization / Company - standards organization which published the standard assay/test.
- Instrument Name - cultures specified for standard testing on this piece of equipment.
- All Fields - same as Full Text Search.
- Test Number - designation for the test the individual test organisms are grouped under.

The vectors field search categories are described below:

- ATCC Number - ATCC® catalog number for the vector.
- Name / Designation - name or designation of the vector.
- Organism - genus/species of the organism from which the culture was derived.
- Type - grouping the vector by functionality. Examples of types of vectors are plasmid, phagemid, cosmid, phage, etc.
- Antibiotic Resistance - selection markers used for selecting organisms with the vector present.
- Replicon - origin(s) of replication present in the vector such as pMB1, f1, etc.
- Promoter(s) - brief genetic sequence which enables the expression of a protein from a vector such as CMV, SV40 early, lac, tac, etc.
- Application - potential uses of the vector in research.

The yeast genetic stock center field search categories are described below:

- All Fields - same as Full Text Search.
- ATCC Number - ATCC® catalog number for the yeast.
- Organism - genus/species of the organism from which the culture was derived.
- Designation / Name - identifiers used for distinguishing specific strains.
- Depositor - name of the person or institution that submitted samples of the strain to ATCC for accessioning.
- Applications - uses of the strain in the depositor's research.
- Genotype / ORF / Gene Name - identification containing the genotype, open reading frame coding sequence (ORF), and gene name.
- Comments - searches comments that have been listed from the depositor's references.
- Mating Type - fungal equivalent of gender (case sensitive).
- Phenotype - features which form the observable expression of the fungi or yeast's genotype.