ATCC

Product Sheet

FGFR Genetic Alteration Cell Panel (ATCC® TCP-1034™)

Please read this FIRST

Storage Temp.
liquid nitrogen vapor phase (less than -130°C) only

Biosafety Level
2

Citation of Strain

If use of this culture results in a scientific publication, it should be cited in that manuscript in the following manner: FGFR Genetic Alteration Cell Panel (ATCC® TCP-1034™)

American Type Culture Collection
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Manassas, VA 20108 USA
www.atcc.org

800.638.6597 or 703.365.2700
Fax: 703.365.2750
Email: Tech@atcc.org

Or contact your local distributor

Description

Fibroblast Growth Factor Receptors (FGFRs), are transmembrane tyrosine kinase receptors that induce intracellular tyrosine kinase activity when bound to Fibroblast Growth Factor. FGFR plays crucial roles in development and cell growth. Upregulation of the FGF/FGFR signaling pathway leads to induction of mitogenic and survival signals, as well as promoting epithelial-mesenchymal transition, invasion and tumor angiogenesis. Amplification or activation of FGFR1 and FGFR2 genes has been linked to several cancer types such as lung cancer, breast cancer and gastric cancer.
The FGFR genetic alteration cell panel (ATCC TCP-1034) is composed of eight selected human tumor cell lines from common cancer types that carry various gene copy number amplification within the FGFR1 or FGFR2 genes. The FGFR1 or FGFR2 status of each cell line has been validated by ATCC. This panel is useful for FGFR pathway research and FGFR inhibitors anti-cancer drug discovery.

Components

ATCC HTB-23 MDA-MB-134-VI
ATCC CRL-2066 DMS 114
ATCC CCL-235 SW837
ATCC CCL-246 KG-1
ATCC CCL-247 HCT116
ATCC CRL-5974 SNU-16
ATCC HTB-103 KATO III
ATCC CRL-1739 AGS

Propagation

See individual component product sheets.

Biosafety Level: 2

Appropriate safety procedures should always be used with this material. Laboratory safety is discussed in the current publication of the *Biosafety in Microbiological and Biomedical Laboratories* from the U.S. Department of Health and Human Services Centers for Disease Control and Prevention and National Institutes for Health.

ATCC Warranty

The viability of ATCC® products is warranted for 30 days from the date of shipment, and is valid only if the product is stored and cultured according to the information included on this product information sheet. ATCC lists the media formulation that has been found to be effective for this strain. While other, unspecified media may also produce satisfactory results, a change in media or the absence of an additive from the ATCC recommended media may affect recovery, growth and/or function of this strain. If an alternative medium formulation is used, the ATCC warranty for viability is no longer valid.

Disclaimers

This product is intended for laboratory research purposes only. It is not intended for use in humans.

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Please see the enclosed Material Transfer Agreement (MTA) for further details regarding the use of this product. The MTA is also available on our Web site at www.atcc.org

Additional information on this culture is available on the ATCC web site at www.atcc.org.
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