



MYC Genetic Alteration Cell Panel

TCP-1035™

Description

MYC is an oncogenic transcription factor which is encoded by the c-myc proto-oncogene. By regulating target gene expressions, MYC has diverse roles involved in cell growth, proliferation, biogenesis, cellular metabolism and apoptosis. Mutations or overexpression of c-myc gene has been detected in a wide range of human cancers, especially in lymphomas. The MYC genetic alteration cell panel (ATCC TCP-1035) is composed of nine selected human tumor cells that carry c-myc mutations or various degrees of c-myc gene copy number changes. The MYC status of each cell line has been sequenced and validated by ATCC. This panel is useful for studying MYC and its cellular effects on subsequent target genes and pathways in providing a platform for basic research and anti-cancer drug discovery.

Components: ATCC CRL-1647 ST486

ATCC CRL-1648 CA46

ATCC HTB-62 P3HR-1

ATCC CRL-5974 SNU-16

ATCC HTB-175 NCI-H82

ATCC CRL-2081 MSTO-211H

ATCC HTB-171 NCI-H446

ATCC CCL-240 HL-60

ATCC CRL-9068 NCI-H929

Shipping information: 9 vials

Storage Conditions

Product format: Frozen

Storage conditions: Vapor phase of liquid nitrogen

Intended Use

This product is intended for laboratory research use only. It is not intended for any animal or human therapeutic use, any human or animal consumption, or any diagnostic use.

BSL 2

ATCC determines the biosafety level of a material based on our risk assessment as guided by the current edition of *Biosafety in Microbiological and Biomedical Laboratories (BMBL)*, U.S. Department of Health and Human Services. It is your responsibility to understand the hazards associated with the material per your organization's policies and procedures as well as any other applicable regulations as enforced by your local or national agencies.

ATCC highly recommends that appropriate personal protective equipment is always used when handling vials. For cultures that require storage in liquid nitrogen, it is important to note that some vials may leak when submersed in liquid nitrogen and will slowly fill with liquid nitrogen. Upon thawing, the conversion of the liquid nitrogen back to its gas phase may result in the vial exploding or blowing off its cap with dangerous force creating flying debris. Unless necessary, ATCC recommends that these cultures be stored in the vapor phase of liquid nitrogen rather than submersed in liquid nitrogen.

Certificate of Analysis

For batch-specific test results, refer to the applicable certificate of analysis that can be found at www.atcc.org.

Material Citation

If use of this material results in a scientific publication, please cite the material in the following manner: MYC Genetic Alteration Cell Panel (ATCC TCP-1035)

References

References and other information relating to this material are available at www.atcc.org.

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Product Sheet

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