

A3 | 305143

Description A3 is a T cell clone derived from Jurkat cells. It is a CD4+ T cell line that is highly proliferative and can be maintained in culture for extended periods. The cells are sensitive to phytohemagglutinin (PHA) and concanavalin A (ConA) for activation. Jurkat cells are a human T cell leukemia cell line that is widely used in immunology research.

Organism Human

Tissue T cells

Disease T cell leukemia/lymphoma

Morphology Lymphoblastoid

Growth properties Adherent

Citation A3 (ATCC CCL-219) (305143)

Biosafety level 1

NCBI_TaxID 9606

CellosaurusAccession CVCL_1061

Culture Medium RPMI 1640 + 2.0 mM L-glutamine + 2.0 mM NaHCO₃ (820700a) + 10% FBS

Supplements 10% FBS

Subculturing 1:5

