





TEXAS TECH UNIVERSITY HEALTH SCIENCES CENTER School of Medicine Cancer Center

Cell Line Data Sheet for TC-32

Disease: Phase of Therapy: Treatment: Disease Stage:	Primitive neuroectodermal tumor (PNET) Diagnosis None
Gender:	Female
Age at diagnosis:	31 months
Race:	N/A
Age at sample collection:	N/A
Source of Culture:	Solid Tumor
Primary TumorSite: Date Established:	
Date Established.	
EWS/FLI1 Status:	ERG
p53 functionality:	Non-Functional
Karyotype:	+5,+10,i(1q),t(11;22)(q24;q12)
Modal No:	48 (46-49)
IC90 (DIMSCAN*):	VNC (ng/ml) L-PAM (µg/ml) ETOP (ng/ml) RAP (ng/ml)
	N/A N/A N/A N/A N/A
	VNC, vincristine; L-PAM, melphalan; ETOP, etoposide; RAP, rapamycin
Growth Conditions:	
	Please see Protocols section at https://www.cccells.org/protocols.php
	5% CO ₂ , 20% O ₂ , 37.0°C
Media Formulation:	
	Please see Protocols section at https://www.cccells.org/protocols.php
	Cells are grown in a base medium of Iscove's Modified Dulbecco's Medium plus the following
	supplements (to a final concentration): 20% Fetal Bovine Serum, 4mM L-Glutamine, 1X ITS (5
	μg/mL insulin, 5 μg/mL transferrin, 5 ng/mL selenous acid)
Doubling Time:	
Growth Properties:	24 hours
STR Profile:	Teardrop-shaped cells with processes Adherent, grow mostly in clumps
	May be obtained at https://strdb.cccells.org/
Notes:	

All COG Repository cell lines are antibiotic-free, mycoplasma-free, and cryopreserved in 50% FBS / 7.5% DMSO. Each vial label contains the cell line name, passage number, total viable cell count (usually 5-10e6), the overall cell viability, and date frozen. All cell lines are validated with original patient sample by STR analysis.

Childhood Cancer Repository Powered by Alex's Lemonade Stand COG resource Laboratory www.cccells.org





LTH SCIENCES CENTER.

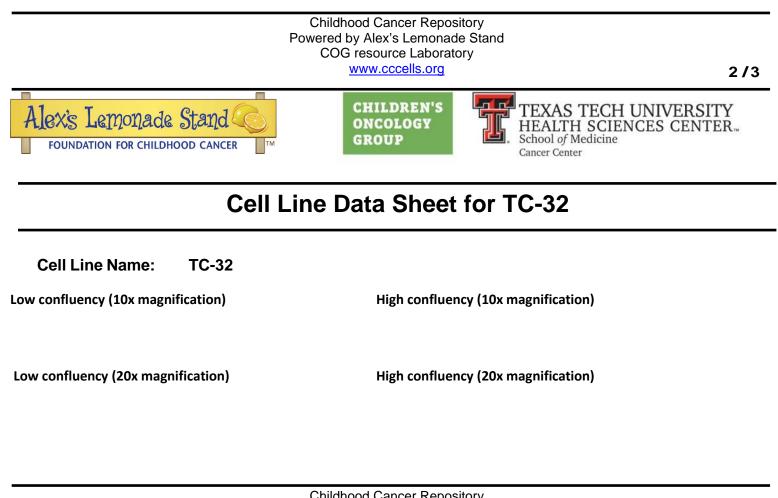
School of Medicine

Cancer Center

Cell Line Data Sheet for TC-32

References:

- Reynolds CP, Brodeur GM, Tomayko MM, Donner L, Helson L, Seeger RC, Triche TJ: Biological classification of cell lines derived from human extra-cranial neural tumors. Prog Clin Biol Res.271:291-306, 1988. PubMed ID: 3406003
- Wang Y, Einhorn P, Triche TJ, Seeger RC, Reynolds CP. Expression of Protein Gene Product 9.5 and Tyrosine Hydroxylase in Childhood Small Round Cell Tumors. Clin Cancer Res. 6, 551-558, 2000. PubMed ID: 10690538 <u>https://clincancerres.aacrjournals.org/content/6/2/551.long</u>
- 3. Batra S, Reynolds CP, Maurer BJ. Fenretinide cytotoxicity for Ewing's sarcoma (ES) and primitive neuroectodermal Tumor (PNET) cell lines is decreased by hypoxia and synergistically enhanced by ceramide modulators. Cancer Research 64: 5415-5424, 2004. PubMed ID: 15289350 <u>https://cancerres.aacrjournals.org/content/64/15/5415.long</u>
- 4. Thiele, Carol J., McKeon, Catherine, Triche, Timothy J., Ross, Robert A., Reynolds, C. Patrick, and Israel, Mark A. (1987). Differential Protoocogene Expression Characterizes Histopathologically Indistinguishable Tumors of the Peripheral Nervous System. J Clin Invest 80: 804-811. PubMed ID: 2887586 <u>https://www.ncbi.nlm.nih.gov/pmc/articles/PMC442306/</u>
- Whang-Peng, J., Triche, T.J., Knutsen, T., Miser, J., Kao-Shan, S., Tsai, S., and Israel, M. A. (1986). Cytogenetic Characterization of Selected Small Round Cell Tumors of Childhood. Cancer Genet Cytogene 21: 185-208. PubMed ID: 3004699 <u>https://www.sciencedirect.com/science/article/pii/0165460886900014?via%3Dihub</u>



Childhood Cancer Repository Powered by Alex's Lemonade Stand COG resource Laboratory TEXAS TECHNING SERVICE STREET

TEXAS TECH UNIVERSITY HEALTH SCIENCES CENTER. 3/3

TEXAS TECH UNIVERSITY HEALTH SCIENCES CENTER.

TEXAS TECH UNIVERSITY HEALTH SCIENCES CENTER.