



TgA 00004

Publication code	GT1		
Depositor	JP DUBEY	Deposit history	JP.DUBEY 1978 > BRC Toxoplasma 2010
Host	Goat (<i>Capra aegagrus</i>)	Tissue	Muscle
Disease	Chronic toxoplasmosis	Genotype	Haplogroup 1 (Type I) [Complete sequencing]
Date of isolation	1978	Geographic source	North America > USA
Mouse virulence	Highly virulent	Other characteristics	/
Available parasitic stages	Tachyzoite (8.10/cryovial) and/or Bradyzoites (60 cysts/cryovial)	Shipped	Frozen
Propagation at BRC	Cell culture, grown with human foreskin fibroblast cells VERO or with human monocytes THP-1 Mouse passages.		
References	<p>Dubey JP. Mouse pathogenicity of <i>Toxoplasma gondii</i> isolated from a goat. 1980. Am J Vet Res. 41(3):427-9. PubMed PMID:7369619. Doliwa C, Escotte-Binet S, Aubert D, Velard F, Schmid A, Geers R, Villena I. Induction of sulfadiazine resistance in vitro in <i>Toxoplasma gondii</i>. Exp. Parasitol. 2013 Feb;133(2):131-6.</p> <p>Howe DK, Sibley LD. <i>Toxoplasma gondii</i> comprises three clonal lineages: correlation of parasite genotype with human disease. 1995. J Infect Dis. 172(6):1561-6. PubMed PMID:7594717.</p> <p>Khan A, Fux B, Su C, Dubey JP, Darde ML, Ajioka JW, Rosenthal BM, Sibley LD. Recent transcontinental sweep of <i>Toxoplasma gondii</i> driven by a single monomorphic chromosome. 2007. Proc Natl Acad Sci USA. 104(37):14872-7. PubMed PMID:17804804.</p> <p>Su C, Evans D, Cole RH, Kissinger JC, Ajioka JW, Sibley LD. Recent expansion of <i>Toxoplasma</i> through enhanced oral transmission. 2003. Science 299:414-416. PubMed:12532022.</p> <p>Fux B, Nawas J, Khan A, Gill DB, Su C, Sibley LD. <i>Toxoplasma gondii</i> strains defective in oral transmission are also defective in developmental stage differentiation. 75:2580-2590. PubMed:17339346.</p> <p>Melo MB, Nguyen QP, Cordeiro C, Hassan MA, Yang N, McKell R, et al. 2013. Transcriptional analysis of murine macrophages infected with different toxoplasma strains identifies novel regulation of host signaling pathways. PLoS Pathog. 9(12):e1003779. PMID:24367253.</p> <p>Khan A, Ajzenberg D, Mercier A, Demar M, Simon S, Dardé ML, Wang Q, Verma SK, Rosenthal BM, Dubey JP, Sibley LD. 2014. Geographic separation of domestic and wild strains of <i>Toxoplasma gondii</i> in French Guiana correlates with a monomorphic version of chromosome 1a. PLoS Negl Trop Dis. 2014 sep 18;8(9):e3182. PubMed PMID:25233228. PubMed Central PMCID: PMC4169257.</p>		