

Product sheet

SW-684 | 300422

General Information

Description	SW 684 (ATCC 300422) is a Gram-negative, aerobic, non-motile, non-spore-forming bacterium. It is a member of the Enterobacteriaceae family and is commonly found in the human gastrointestinal tract. It is a facultative anaerobe and is capable of fermenting glucose to produce acid and gas.
Organism	SW 684
Tissue	Human feces
Disease	Enteric infections, gastroenteritis
Synonyms	SW684, SW 684

Host Information

Age	68 years
Gender	Male
Ethnicity	White
Morphology	Gram-negative, rod-shaped, non-motile, non-spore-forming
Growth properties	Facultative anaerobe, fermenting glucose to produce acid and gas

Identification and Reference

Citation	SW-684 (ATCC 300422)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_1726

Enzymes and Pathogenicity

Isoenzymes	G6PD, PGM1, PGM3, AK-1, GLO-1, 2, etc. 0.0055
Tumorigenic	Not tumorigenic

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Karyotype 46,XY,t(8p21q?) = 73,der(2)t(8p21q?) = 59,der(2)t(8p21q?) = 79,der(2)t(8p21q?) = 9.1%,der(2)t(8p21q?) = 11,der(2)t(8p21q?) = 4,der(2)t(8p21q?) = N1,der(2)t(8p21q?) = N18,der(2)t(8p21q?) = N20,der(2)t(8p21q?) = N22,der(2)t(8p21q?) = 15,der(2)t(8p21q?) = Y

SW-684

Culture Medium DMEM 4.5g/l, FBS 4%, NaHCO3 1.0g/l

Supplements 10% FBS

Dissociation Reagent Trypsin

Subculturing 1:3

Fluid renewal 2-3 times

Freeze medium 10% DMSO

- Thawing and Culturing Cells**
1. Thaw cells in a 37°C water bath.
 2. Centrifuge at 300 x g for 3 minutes.
 3. Wash cells in PBS.
 4. Resuspend cells in 70% FBS.
 5. Seed cells into a 15 cm dish.
 6. Incubate for 8 hours.
 7. Wash cells in PBS.
 8. Seed cells into a 300 x cm dish.

Incubation Atmosphere 37°C, 5% CO2

