SANTA CRUZ BIOTECHNOLOGY, INC.

Trichomonas vaginalis (7121): sc-58206

SANTA CRUZ BIOTECHNOLOGY

The Power to Question

BACKGROUND

Trichomonas vaginalis is an anaerobic parasite causative of trichomoniasis, an infection of the genitourinary tract. The most common pathogenic protozoan infection of humans, *Trichomonas vaginalis* also retains many enzymes that catalyze reactions important to the study of protein function. Although *Trichomonas vaginalis* lacks the mitochondria and other cytochromes necessary to carry out oxidative phosphorylation, it can alternatively capture nutrients by phagocytosis. *Trichomonas vaginalis* also maintains energy requirements through glycolysis, including the conversion of pyruvate and malate to hydrogen and acetate in the hydrogenosome, a specialized organelle. *Trichomonas vaginalis* is among the most persistent protozoan trophozites, able to survive for up to 24 hours in urine, semen or even water samples.

REFERENCES

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RESEARCH USE

For research use only, not for use in diagnostic procedures.

SOURCE

Trichomonas vaginalis (7121) is a mouse monoclonal antibody raised against *Trichomonas vaginalis*.

PRODUCT

Each vial contains 100 µg IgG_1 in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

Trichomonas vaginalis (7121) is recommended for detection of *Trichomonas vaginalis* origin by immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500).

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.