inviCELL™Platelet lysate

Packing specification

Product number: A6802P-500, A6802P-100, A6802P-50

Specifications: 500ml, 100ml, 50ml

Storage conditions

Stored at –20°C, valid for 36 months

Description

inviCELL™ culture supplement is a non-xenogeneic, animal serum-free,media supplement for replacing FBS (fetal bovine serum) to support cell expansion from research through clinical trials to commercial use. inviCELL™ contains abundant growth factors and cytokines necessary for research or industrial cell growth and proliferation of multiple cell types (e.g. MSCs).

Intended use

For human ex-vivo tissue and cell culture processing applications

Important information

Insoluble particles may form in thawed inviCELL cell culture supplement. Published research has shown that particles will not alter the performance of the product.

Safety information

• Follow the handling instructions outlined in the Material Safety Data Sheets (MSDSs). Wear appropriate protective eyewear, clothing, and gloves.

•inviCELL™, is a cell culture supplement derived from human single donor platelets collected from healthy donors at FDA-licensed centers. Each donor has been tested using FDA-licensed tests and found nonreactive for HBsAg, Hepatitis B core antibody(anti-HBc), HIV antibody (anti-HIV-1/2), Hepatitis C antibody (anti-HCV), HTLV-1/2 antibody (anti-HTLV-1/2), Trypanosoma cruzi antibody (anti-T. cruzi), HIV-1, HCV, HBV, WNV nucleic acid testing and Syphilis microhemagglutination test. Handle in accordance with established bio-safety practices.

MSC culture conditions

Media:

Complete medium is comprised of a basal media (e.g.α-MEM or other supportive media) and inviCELL™

Culture type: Adhesion

Culture vessels: Cell culture plates, T-flasks, G-Rex flasks or cell culture bags

Temperature range: 36°C to 38°C

Incubator atmosphere: Humidified atmosphere of 4–6% CO2. Ensure that proper gas exchange is achieved in culture vessels.

Precipitation in Cell Culture

• Insoluble particles may form in thawed inviCELL™, it is recommended to remove particles by centrifuge at 3,400 xg for 3~5 minutes.

• Filtering the completed medium (e.g. 5%), after inviCELL™ is diluted in the basal medium, will not affect inviCELL™supplemented cell culture performance. However, 0.22 μm filtering is NOT recommended for 100% concentrate inviCELL™, as this may reduce 5% inviCELL™ cell culture performance.

• Repeated freeze-thaw cycles should be avoided as they may cause an increase in insoluble particles and resulting potential decrease in inviCELL™ performance.

Protocol

• inviCELL™ shows optimal growth of MSC at 5% (v/v) in typical cell culture media, i.e. α-MEM, which contains 2mM L-Glutamine as final concentrate.

• We recommend seeding MSCs at approximately 3×103~ 6×103per cm2. • For inviCELL™has been fibrinogen-depleted and does not require theaddition of heparin in the cell culture media.

Storage

inviCELL™ product is most stable when stored frozen until needed. The recommended storage temperature is -20°C or -80°C. Thaw frozen inviCELL™ product in 37°C water bath before use. Once inviCELL™ product is thawed, it is recommended to fully use for completed medium preparation (e.g. 5%) the same day, or to divide it into single-use aliquots and store unused aliquots at -20°C or -80°C.

Cell Lines

Bone marrow mesenchymal stem cells

Adipose tissue derived mesenchymal stem cells

Umbilical cord derived mesenchymal stem cells

Other mesenchymal stem cells

It can only be used for scientific research. It is forbidden to use it for human, animal or other purposes.