Establish A Culture (Not Prenatal)

Test Code: TC  
Turnaround time: (No TAT)  
CPT Codes: 88233 x1

Condition Description

Cells from many different types of solid tissues may be cultured, frozen, and stored. The establishment of a cell line may be useful for future studies. This test will produce cell cultures which can then be used for additional genetic or other analyses.

Indications

This test is indicated for the establishment of cell lines for current or future testing.

Methodology

The tissue specimen is minced or enzymatically disaggregated, treated with collagenase, and placed in a tissue culture vessel with media to establish a fibroblast culture. The cultures are sub-cultured into 1 to 3 T25 tissue culture flasks or 1 to 2 T75 tissue culture flasks and frozen for future use.

Specimen Requirements

Submit only 1 of the following specimen types

Type: Tissue Biopsy

Specimen Requirements:
Sterile Container
1-2 mm in length or > 100 mg is acceptable.
Flash freeze sample upon collection using liquid nitrogen. If storage is required, store sample at -80°C or colder.

Specimen Collection and Shipping:
Ship frozen sample on dry ice with overnight delivery. Not accepted on Saturday.

Type: Skin Biopsy

Specimen Requirements:
Sterile container with EGL transport media or other sterile culture media (RPMI, Hanks Solution)
Obtain 1-2 cm pieces of tissue from a central location rather than a distal location to enhance cell viability and growth. Place in sterile container with EGL transport media or other sterile culture media. In the absence of media, place in a sterile container with a small amount of sterile saline. Use sterile dissection (no prep) for internal tissue.
Tissue fixed in formalin cannot be used.

Specimen Collection and Shipping:
Ship sample at room temperature for receipt at EGL within 24 hours of collection. Do not refrigerate or freeze.

Type: Muscle Biopsy

Specimen Requirements:
Sterile Container
1-2 mm in length or > 100 mg is acceptable.
Flash freeze sample upon collection using liquid nitrogen. If storage is required, store sample at -80°C or colder.

Specimen Collection and Shipping:
Ship frozen sample on dry ice with overnight delivery. Not accepted on Saturday.