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.