

# Center of Medical Genetics Sir Ganga Ram Hospital

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## **Chromosomal Studies on Products of Conception / Placental tissue**

### **1. Which tissue to collect?**

The term product of conception covers a wide range of tissue types. In cases where the sample is from a freshly terminated first trimester pregnancy, select fetal limbs for culture, since they yield excellent cell growth. However, if samples are to be collected from "evacuated retained products of conception", (i.e. the pregnancy has died in utero but failed to actually abort), use placenta, or chorionic villi, fetal limbs, fetal organs or fetal membranes. In cases of macerated fetus, or where fetus demise occurred few days before abortion placental tissue may be the only viable tissue, and should be collected.

### **2. In which medium to collect ?**

Products of conception or placental tissue should be collected in sterile tissue culture medium, which can be obtained from the cytogenetics laboratory . If such medium is not available collect the tissue in STERILE NORMAL SALINE in a sterile container.

### **3. When and How to transport the tissue ?**

The tissue should be transported to the laboratory as soon as possible. If delay is inevitable store the bottle at 0-4°C refrigerator. This is to retard the growth of bacteria. If the sample is collected in the evening, store it in the refrigerator for the night, and take to the genetics laboratory the next morning. Do not keep the material in deep freeze

### **4. What are the charges ?**

For further information or clarifications please contact Cytogenetics - 011 42252111, 42252110.