

Freiburg Medical Laboratory ME LLC, P.O.Box 3068, Dubai

Tel: 04 396 2227





Karyotyping

The following tests are available:

Chromosome analysis in peripheral lymphocytes

Indication: Infertility, offspring with known chromosomal defects, recurrent abortions,

prenatal testing, primary dysmorphia syndrome, primary gonosomal

chromosome mutations.

Material: 2 tubes of heparin blood without 'heparin coated pearls', you can use gel tubes

or liquid heparin.

Preanalytics: sterile heparin blood (without centrifugation additives such as gel or plastic

pearls). Do not freeze!

TAT: 2-3 weeks*

Method: Cell culture of peripheral T-cells, chromosome analysis (Trypsin-Giemsa

staining).

Chromosome analysis in chorionic villae sampling (CVS)

Material: Chorion tissue, make sure that there is no contamination with maternal tissue.

However a maternal control to exclude contamination is necessary. Please also

send 1 tube of EDTA blood from the mother.

Preanalytics: Chorion tissue samplings (CVS), store or dispatch cool, do not freeze, no

alcoholic or preserving additives, only physiological NaCl or special culture

medium for cell cultures (please indicate, if it is used)

TAT: 4 weeks*

Method: Direct preparation, long-term cultivation, chromosome analysis. Contamination

control.

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Chromosome analysis from skin biopsy (fibroblast culture)

Material: skin tissue

Preanalytics: send sterile skin preparation, approx. 1 cm2 in a sterile container, store or

dispatch cool, do not freeze, no alcoholic or preserving additives, only physiological NaCl or special culture medium for cell cultures (please specify if it

is used)

TAT: 4 weeks*

Method: cultivation, long-term cultivation of fibroblasts, chromosome analysis.

Chromosome analysis in amniotic fluid, amniocentesis

Material: 10-15 ml amniotic fluid

Preanalytics: send e.g. in sealed syringe, store or dispatch at ambient temperature, do not

refrigerate or freeze, no liquid or preserving additives.

TAT: 2-3 weeks*, (FISH test, up 7 days)

Method: cultivation, long-term cultivation of fibroblasts, chromosome analysis

Note: Fast FISH analysis for common trisomies (13, 18, 21) recommended

Chromosome analysis in aborted fetal material

Indication: Recurrent abortions/miscarriages

Material: fetal tissue and parental blood (3-5 ml EDTA blood and 3 ml Heparin blood)

Preanalytics: Do not freeze!

TAT: 6-8 weeks*, (including FISH-validation)

Method: isolation of DNA, hybridization to standard array

For complete list of laboratory test offered at Freiburg Medical Laboratory, please visit http://www.fml-dubai.com/parameter-listings/



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