

Prenatal Diagnostic Laboratory, Tsan Yuk Hospital

Address: 30, Hospital Road, Hong Kong Tel: (852) 2589-2218 Fax: (852) 2517-2373

Chromosomes and molecular genetic analysis for postnatal study

Instructions (Private)

(Chromosomal microarray, karyotype, QF-PCR, molecular genetics analysis)

1. Instructions to doctors (private) on sending samples

1.1 Complete one-page request form “**Request form for Postnatal Studies**” (TYH-REQ-POST), which can be provided from the laboratory upon request, with the following information:

- Patient details (patient’s demographics, HKID or document ID, clinic/hospital no., relationship to proband with proband’s name and ID)
- Referring doctor details (name of referring doctor, contact details and address for report)
- Specimen details (nature of specimen, date and time of sampling)
- Test(s) requested
- Clinical details (information needed for examination performance and results interpretation may include patient’s ancestry, family history)

IMPORTANT NOTES:

- a) Use a separate request form for each subject
- b) Send specimen in appropriate containers labelled with at least two patient’s identifiers
- c) If the sample cannot be sent to the laboratory on the day of sampling, please keep it at the door of refrigerator (4°C) and arrange the sample to reach the laboratory within 48 hours (*excluding specimen collected after office hour on Fridays, Saturdays, Sundays and public holidays*).

1.2 Obtain patient consent using “Consent form for Genetic and Genomic Investigations” (TYH-REC-CONF-GG) for each patient/subject being referred for cytogenetic/genetic testing in PDL, TYH.

- Complete one consent form for one subject
- Either parent/guardian shall sign the form on behalf of his/her child
- Each parent shall independently sign one form if parental testing is required
- Send the completed patient consent form with request form

1.3 Sample delivery

- Courier service: Call Thunder Express Service Co. Ltd. at 2397-8781 or 2380-9122, Ms. Monica Leung on or before 11:00 am to arrange specimen pick up at 12:00 noon. Courier service is only available from Monday to Friday (excluding public holidays).
(Note: Please contact the laboratory to arrange specimen delivery to PDL, TYH beyond the aforementioned specimen pick up time from Monday to Friday. A special courier service fee applies.)
- Self drop-in: Your own personnel can bring the collected specimen to PDL, TYH within:
Specimen Reception hours: Monday to Friday: 8:45am - 4:30pm
(excluding Saturdays, Sundays and public holidays)

1.4 Tests and specimen collection specification (see next page, Table 1)

2. Rejection of sample

A specimen may be rejected when the following condition is observed:

- unlabelled or incorrectly labelled
- specimen container leaks
- not suitable for analysis (e.g. using incorrect container, frozen specimen, hemolysed blood, peripheral blood from subject having recent blood transfusion or taking immunosuppressive drugs, etc.)
- specimen cannot reach the laboratory within 48 hours (*excluding specimen collected after office hour on Fridays, Saturdays, Sundays and public holidays*)

In such events, you will be contacted for further actions.

Table 1. Tests and specimen collection specifications

Laboratory test	Nature of specimen	Container (provided upon request)	Specimen amount/volume	Turn-around time*
Chromosomal microarray analysis, CMA (+/- Karyotype)	Peripheral blood (Proband)	EDTA (if request for karyotype and FISH analysis, use Heparin)	2 mL	14 working days
	Parental peripheral blood (for inheritance study in CMA)	EDTA (not for karyotype)	3 mL from each parent	7-14 working days (if inheritance study is performed in CMA)
Chromosomes study (Karyotype only)	Peripheral blood (Proband)	Heparin	2 mL	18 calendar days
	Parental peripheral blood (for inheritance study)		2 mL from each parent	18 calendar days
Rapid Aneuploidy Detection (QF-PCR) / 22q11.2 microdeletion	Peripheral blood (Proband)	EDTA (if request for karyotype and FISH analysis, use Heparin)	2 mL	QF-PCR / 22q11.2 microdeletion: 2 working days
Other molecular genetic tests (e.g. MSPCR, Fragile X, FGFR3 mutation detection, DNA sequencing, etc.)	Parental peripheral blood (for inheritance study)		3 mL from each parent	Others: 7-28 working days (please contact lab.)

**Turn-around time may vary and be subjected to the quality and the quantity of the received specimen.*

3. Reporting

All reports will be faxed and sent by post to your office.

4. Payment method

- Monthly invoice will be issued from Queen Mary Hospital Finance Department
- Alternative payment method requires prior arrangement with the laboratory.

5. Address and contact information

Address: Prenatal Diagnostic Laboratory
Room 2-10, Tsan Yuk Hospital, 30 Hospital Road
Sai Ying Pun, Hong Kong

Tel: 2589-2208, 2589-2288

Fax: (lab) 2857-5407, (office) 2517-2373

Website: <https://obsgyn.med.hku.hk/en/Services/Obstetrics/Maternal-Fetal-Medicine/Prenatal-Diagnosis>

Laboratory opening hours:

Monday to Friday: 8:45am - 5:30pm
(closed on Saturdays, Sundays and public holidays)

Contacts: Senior Med. Tech. Tel: 2589-2288

Chromosomes study (Karyotype)

Scientific Officer Tel: 2589-2327 / 2589-2328

Molecular genetic testing
(e.g. CMA, QF-PCR, MSPCR, Fragile X, FGFR3, DNA sequencing, UPD, FISH, etc.)

Duty Officer /
Laboratory Director Tel: 2589-2288 / 2589-2327

Other enquiry or complaint

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