

SAMPLE REQUIREMENTS

	ANALYSIS SYSTEM	SAMPLE
①	Detection of point mutations (PCR + sequencing)	50 µL at a concentration of 50 ng/µL
②	Complete sequencing (Sanger technology)	100 µL at a concentration of 100 ng/µL
③	Deletion and duplication detection (MLPA : Multiplex Ligation-dependent Probe Amplification)	100 µL at a concentration of 100 ng/µL
④	Methylation analysis	100 µL at a concentration of 100 ng/µL
⑤	Southern Blot	12-20 mL of blood in EDTA or 30 µg of DNA at a concentration of 200-500 ng/µL
⑥	RNA sequencing	Blood in PaxGene + DNA (100 µL at a concentration of 100 ng/µL)
⑦	CGH array	10-15 mL of blood in EDTA

- For DNA extraction we recommend QIAGEN Blood and Cell Culture DNA Kit, but any commercial DNA extraction system usually yields DNA in enough quantity and quality.
- In all the cases where extracted DNA is required, it is possible as well to send 10-15 mL of blood in EDTA. DNA is preferred because it is more stable at room temperature and it is easier to send across customs, but blood is an equally valid and accepted sample.