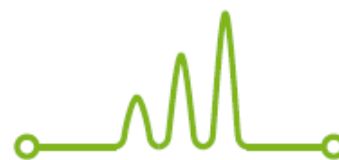


Fragment analysis

Preparation of samples



Note: The term of fragment analysis covers a wide range of techniques with different methods of sample preparation (microsatellite analysis, AFLP, RFLP, MLPA, SNaPshot genotyping system, etc.). The following instructions are therefore only general. Should you have any specific questions or requests, please do not hesitate to contact us.

The sample is typically a PCR product or a mixture of PCR products which are fluorescently labelled. The PCR products do not have to be purified, you only need to send the aliquot of the PCR reaction.

Routinely we work using these combinations of dyes:

Dye set	Fluorescent dyes to label your products	Size standard and sizing range	Note	Sample volume
DS-33	6-FAM™, VIC®, NED™, PET®	GeneScan™-600 LIZ® (Life Technologies, PN 4408399), 20-600 bp or GeneScan™-1200 LIZ® (Life Technologies, PN 4379950), 20-1200 bp	We add size standard free of charge	When ordering you can specify in the note the volume of the sample to be used (we typically use 1 µl).
DS-30	6-FAM™, HEX, NED™	GeneScan™-500 ROX™ (Life Technologies, PN 401734), 35-500 bp		
PowerPlex® 5-Dyes	Fluorescein, JOE, TMR-ET, CXR-ET	Your choice, WEN-labelled	You must provide size standard	Please contact us before sending the first batch of samples

The PCR products should be labelled using an arbitrary combination of these fluorescent dyes. Note that you cannot combine dyes among dye sets, for example you cannot use VIC® and HEX dyes together.

When using the PowerPlex® system (Promega), follow instructions of the manufacturer. If you want to use another dye set or size standard or if you have other specific requirements, please contact us.

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Fragment analysis