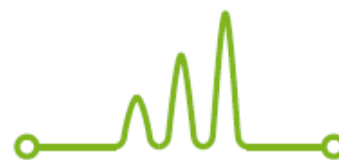


Fragment analysis

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 the 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 the size standard | Please contact us before sending the first batch of samples |
| BT5 | 6-FAM, BTG, BTY, BTR, BTO (BT5, Qiagen) | Your choice, BTO-labelled | | |

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) and BT5 (Qiagen), 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.

v20170330

Fragment analysis