

SAMPLE REQUIREMENTS. GENOMICS CORE FACILITY

DNA SANGER SEQUENCING

CLONED DNA:

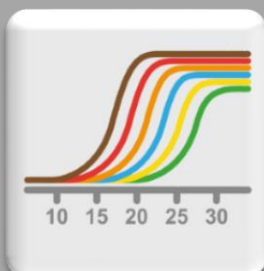
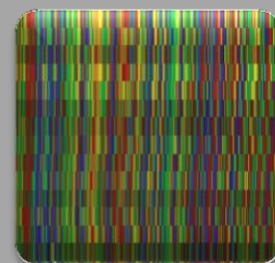
250-300 ng DNA + 3,2 primer pmoles. Use H₂O for sample and oligo prep

Final volume: 6 µl. Use 0.2 ml tubes

PCR FRAGMENTS:

10-20 ng /100pb + 3,2 primer pmoles. Use H₂O for sample and oligo prep

Final volume: 6 µl. Use 0.2 ml tubes



REAL TIME PCR

RNA: 100ng/µl . Volume 10 µl. Use 0.2 ml tubes

PRIMERS: 5µM. Volume 100 µl. Use 1.5 ml tubes

TAQMAN™ PROBES

When these conditions can not be fulfilled please contact genomica@iib.uam.es

QIAGEN® RNA OR DNA PURIFICATION

Cells DNA/RNA:

3 -5 10⁶ cells pellet. Use 2.0 ml tubes

Blood DNA:

Blood volume: 200 or 400 µl. Use 2.0 ml tubes

Tissue DNA:

< 50 mg. Use 2.0 ml tubes

Blood RNA:

600 µl de lisado de leucocitos. Use 2.0 ml tubes

Brain/adipose tissue RNA:

< 100 mg. Use 2.0 ml tubes

Other tissues RNA:

< 30 mg. Use 2.0 ml tubes

FFPE RNA:

1-2 or 3-4 10 µm paraffin sections. Use 1.5 ml tubes



RNA INTEGRITY

RNA: 100 - 500 ng/µl.

Volume 3 µl. Use 1.5 ml tubes



MOUSE GENOTYPING

Ears . ONLY ONE PIECE. Use 1.5 ml tubes

Primers: 100µM. Volume 50 µl. Use 1.5 ml tubes

HUMAN AND MURINE CELL LINE AUTHENTICATION

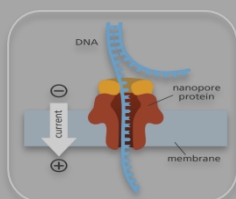
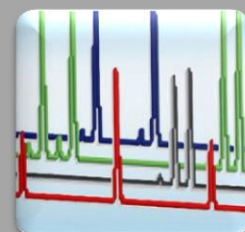
Cells:

1-2 10⁶ cells pellet. Use 2.0 ml tubes

DNA:

Human cells: 10µl. 100ng/µl (NanoDrop®). Use 1.5 ml tubes

Mouse cells: 50µl. 100ng/µl (NanoDrop®). Use 1.5 ml tubes



ONT PLASMID SEQUENCING

PLASMID DNA: 10µl. 200ng/µl NanoDrop®). Use 1.5 ml tubes