

Attachment 2 - Recommended Quality Control Processes

DNA quality controls

Check DNA Concentration by OD at 260nm

Check purity of DNA by OD260:OD280 ratio

Check integrity of DNA by agarose gel electrophoresis

Tissues and isolated cells controls

Check tissues for quality of fixation and sample composition by microscopic studies

Check the cells by morphological and biological studies

Check quality of the frozen samples yearly, by extracting and analysing DNA and RNA

Cell culture controls

Check growth on appropriate medium

Check contamination from mycoplasma, bacteria, fungi and virus

All chromosomally aberrant cell cultures, human somatic cell hybrid cultures and normal controls are karyotyped by G-banded analysis

Authenticate cell line by appropriate tests (PCR, immune-phenotypic tests, microsatellite tests).