

Tissue Identity Testing

Indication for Use: This test will detect microsatellite allele combinations unique to each individual. An assumption is made that the probability of the same genetic pattern being present in two different individuals is insignificant. This test CANNOT be used for paternity testing.

Methodology: ABI AmpFISTR Identifier kit (Applied Biosystems) is used for determination of tissue identity by testing for 15 human microsatellite markers and amelogenin markers on the X and Y chromosomes. DNA isolation is followed by multiplex PCR analysis of the following markers: D8S1179, D21S11, D7S820, CSF1PO, D3S1358, THO1, D13S317, D16S539, D2S1338, D19S433, vWA, TPOX, D18S51, D5S818, FGA and amelogenin. PCR products are detected by capillary electrophoresis.

Turnaround Time: 3-5 business days

Sample requirements:

- 3 mL peripheral blood in purple top tube (EDTA)
- Paraffin-embedded tissue
- 5-6 tissue sections (please include H&E slide and a copy of pathology report)

CPT Codes: 81265, 88381 may apply