**Mycobacteria DNA by PCR**
- Qualitative test to detect **all mycobacteria species**, including specific identification of *M. tuberculosis*.
- **Method:** Real-time PCR amplification of the 16S rRNA, *hsp65*, and *IS6110* genes.

**Mycobacteria DNA Sequencing**
- Determines identity of atypical mycobacteria species (e.g. *M. gordonae*) present in tissue sample.

**HPV DNA by PCR with Genotyping**
- Qualitative test to detect most known HPV types and identify the **specific type of HPV** present in the patient sample (e.g. Type 11, 18, 45)
- **Method:** Multiplex PCR to amplify the HPV L1 gene, followed by DNA sequencing to determine the specific subtype of HPV.

**Acceptable Specimens:**
- **Formalin-fixed, Paraffin-embedded (FFPE) Tissue:** submit 6 shavings in 3-micron sections, sterile container, ambient.
- **Slides:** provide tissue on 5-6 slides **without** cover slips, ambient.
- **Fresh Tissue:** 3 mm³, refrigerated or frozen.

**FFPE PCR**

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