CLART® HPV 2
Genotyping Human Papillomavirus

**GENOTYPES DETECTED:**

<table>
<thead>
<tr>
<th>Oncogenic Risk Classification</th>
<th>Genotypes Detected</th>
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<tbody>
<tr>
<td>High Risk</td>
<td>16, 18, 31, 33, 35, 45, 51, 52, 56, 58, 59, 66, 68</td>
</tr>
<tr>
<td>Low Risk</td>
<td>6, 11, 40, 42, 43, 44, 54, 61, 62, 70, 71, 72, 81, 83, 84, 85, 89</td>
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<tr>
<td>Prob. High Risk</td>
<td>26, 53, 73, 82</td>
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</tbody>
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**IMPORTANCE OF HPV GENOTYPING:**

- Genotyping allows simultaneous detection of single infections or co-infections.
- Provides information about HPV prevalences, specially among already vaccinated cohorts.
- Enables the early detection and patient follow up, essential for cancer prevention.
- Allows studies about HPV types and their distribution in rectal, pharyngeal and cervical cancer.

**FEATURES:**

- Is a full genotyping assay used in HPV screening programs worldwide thanks to GENOMICIA’s automated system (autoclart® and autoclart® plus).
- Detects and genotypes 35 different HPV types, including HR and LR in one assay.
- Kits are validated for automatic and manual extraction of LBC, Swabs and FFPE tissues.
- High sensitivity and specificity. Clinical validation performed.
- Three quality controls included per sample:
  - **Genomic DNA control:** validates the extraction performance.
  - **Amplification control:** check the proper performance of the visualization reagents provided with the kit.
  - **Biotin markers:** check the proper performance of the visualization reagents provided with the kit.
- Each HPV genotype is detected in triplicate avoiding unspecific bindings.
- Results are obtained within a working day.
- Compatible with any GENOMICIA automation system.

**DATA MANAGEMENT:**

- Automatic reading and interpretation of results (CAR®).
- User-friendly report format (html, bmp).
- Samples are processed individually and three complementary reports are generated.
- Printable, exportable and storable reports.
**BIBLIOGRAPHY:**


