BECAUSE
TIME MATTERS

IDYLLA™
IDH1-2
MUTATION ASSAY KIT

Idylla™ IDH1-2 Mutation Assay Kit is for Research Use Only (RUO), not for use in diagnostic procedures.
IDYLLA™ IDH1-2 MUTATION ASSAY KIT
INNOVATIVE. FAST. EASY.

Detection of 5 mutations in *IDH1* gene (codon 132) and 10 mutations in *IDH2* gene (codons 140 & 172).

Under 5 minutes hands-on time. Assay turnaround time approximately 95 minutes.

For use on the fully automated Idylla™ Platform. On-demand testing: no sample batching required.

The assay performance has been evaluated at multiple sites in both the US and Europe.

MINIMUM SPECIMEN REQUIREMENTS

Extracted DNA
- 50 µl of extracted DNA
- Concentration ≥ 10 ng/µl
- DNA should be extracted from samples with ≥ 10% neoplastic cells
Also compatible with FFPE sections without DNA extraction.
- ≥ 10% neoplastic cells
15 MUTATIONS DETECTED IN ONE KIT

The Idylla™ IDH1-2 Mutation Assay Kit qualitatively detects mutations in the \textit{IDH1} and \textit{IDH2} genes. The Kit detects 5 mutations in codon 132 of the \textit{IDH1} gene and 10 mutations in codons 140 and 172 in the \textit{IDH2} gene.

<table>
<thead>
<tr>
<th>IDH1 Mutation Detection</th>
<th>IDH2 Mutation Detection</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Codon 132</strong></td>
<td><strong>Codon 140</strong></td>
</tr>
<tr>
<td>R132C c.394C&gt;T</td>
<td>R140Q c.419G&gt;A</td>
</tr>
<tr>
<td>R132H c.395G&gt;A</td>
<td>R140L c.419G&gt;T</td>
</tr>
<tr>
<td>R132G c.394C&gt;G</td>
<td>R140G c.418C&gt;G</td>
</tr>
<tr>
<td>R132S c.394C&gt;A</td>
<td>R140W c.418C&gt;T</td>
</tr>
<tr>
<td>R132L c.395G&gt;T</td>
<td></td>
</tr>
<tr>
<td><strong>Codon 172</strong></td>
<td><strong>Codon 172</strong></td>
</tr>
<tr>
<td>R172K c.515G&gt;A</td>
<td>R172G c.514A&gt;G</td>
</tr>
<tr>
<td>R172M c.515G&gt;T</td>
<td>R172S c.516G&gt;T</td>
</tr>
<tr>
<td>R172G c.514A&gt;G</td>
<td>R172S c.516G&gt;C</td>
</tr>
<tr>
<td>R172S c.516G&gt;C</td>
<td>R172W c.514A&gt;T</td>
</tr>
</tbody>
</table>
**IDH1-2 WORKFLOW**

The Idylla™ IDH1-2 Mutation Assay Kit consists of one generic Cartridge and one target-specific Vial (IDH1 & IDH2), which contain the necessary reagents to perform fully integrated sample processing, real-time PCR and detection. The Kit is run on the fully automated Idylla™ Platform.

**Vial solution preparation**

**Vial solution insertion**

**Sample preparation: extracted DNA or FFPE section(s)**

**Sample insertion**

**Automated processing & analysis**

± 5 min

± 95 min

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