Name : DUMMY N193
Lab No. : 153672157  Age: 50 Years  Gender: Male
A/c Status : P  Ref by : UNKNOWN

Collected : 28/07/2020 12:07:00
Received : 28/07/2020 14:07:40
Reported : 30/07/2020 13:23:59
Report Status : Final

**TEST CONDUCTED**
IgV\textsubscript{n}, HYPERMUTATION ANALYSIS FOR CLL

**METHOD**
PCR, Sequencing

**RESULTS**
Hypermutation NOT detected (Mutation LESS than 2%)

<table>
<thead>
<tr>
<th>Result summary:</th>
<th>No rearrangement found</th>
</tr>
</thead>
<tbody>
<tr>
<td>V-GENE and allele</td>
<td>Homcsp IGHV3-48*02 F  score = 1417  identity = 99.31% (236/288 nt)</td>
</tr>
<tr>
<td>FR-IMGT lengths, CDR-IMGT lengths</td>
<td>[8.8.X]</td>
</tr>
</tbody>
</table>

**V-Region mutation and amino acid change table**

<table>
<thead>
<tr>
<th>FR1-IMGT</th>
<th>CDR1-IMGT</th>
<th>FR2-IMGT</th>
<th>CDR2-IMGT</th>
<th>FR3-IMGT</th>
<th>CDR3-IMGT</th>
</tr>
</thead>
<tbody>
<tr>
<td>a190-&gt;t, T64-&gt;S (+ - +)</td>
<td></td>
<td>a225-&gt;g, R75</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**V-Region mutation and amino acid change statistics**
Name: DUMMY N193
Lab No.: 153672157 Age: 50 Years Gender: Male
A/c Status: P Ref by: UNKNOWN

IMGT labels

<table>
<thead>
<tr>
<th>V-REGION</th>
<th>FR1-IMGT</th>
<th>CDR1-IMGT</th>
<th>FR2-IMGT</th>
<th>CDR2-IMGT</th>
<th>FR3-IMGT</th>
<th>CDR3-IMGT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nb of positions including IMGT gaps (nt)</td>
<td>317</td>
<td>78</td>
<td>36</td>
<td>51</td>
<td>30</td>
<td>117</td>
</tr>
<tr>
<td>Nb of nucleotides</td>
<td>293</td>
<td>75</td>
<td>24</td>
<td>51</td>
<td>24</td>
<td>114</td>
</tr>
<tr>
<td>Nb of identical nucleotides</td>
<td>291</td>
<td>75</td>
<td>24</td>
<td>51</td>
<td>23</td>
<td>113</td>
</tr>
<tr>
<td>Nb of mutations</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

ABOUT THE TEST

- B-cell chronic lymphocytic leukemia (CLL) is the most frequent form of leukemia in adults which is characterized by a progressive accumulation of functionally incompetent B-cells.
- Patients showing unmutated IGVH (<2% somatic mutation) have a relatively aggressive disease course while patients with hypermutated IGVH (>2% somatic mutation) have a longer average survival.
- The assay detects somatic mutations in the variable region of the immunoglobulin heavy chain gene locus (IgVH) by PCR-Sequencing.
- The analysis has been done using the IMGT database available at http://www.imgt.org/IMGT_vquest/vquest.
- Test conducted on EDTA whole blood / Bone marrow.
- This is an in-house developed test.
Name          : DUMMY N193
Lab No.       : 153672157    Age: 50 Years    Gender: Male
A/c Status    : P    Ref by : UNKNOWN

Collected     : 28/07/2020 12:07:00
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IMPORTANT INSTRUCTIONS
· Test results released pertain to the specimen submitted. · All test results are dependent on the quality of the sample received by the Laboratory. · Laboratory investigations are only a tool to facilitate in arriving at a diagnosis and should be clinically correlated by the Referring Physician. · Sample repeats are accepted on request of Referring Physician within 7 days post reporting. · Report delivery may be delayed due to unforeseen circumstances. Inconvenience is regretted. · Certain tests may require further testing at additional cost for derivation of exact value. Kindly submit request within 72 hours post reporting. · Test results may show interlaboratory variations. · The Courts/Forum at Delhi shall have exclusive jurisdiction in all disputes/claims concerning the test(s) & or results of test(s). · Test results are not valid for medico legal purposes. *Contact customer care Tel No. +91-11-39885050 for all queries related to test results.

(#) Sample drawn from outside source. (*) Not in NABL scope.