“Empowering genetically informed clinical decision making for the treatment of colorectal cancer.”

Introduction
The BGI SENTIS™ Colorectal Cancer panel is a Next Generation Sequencing (NGS)-based genetic test that enables highly accurate detection of mutations across 7 genes associated with targeted therapy in colorectal cancer. The test provides a comprehensive molecular profiling of colorectal cancer to clinicians for genetically informed clinical decision making.

The Power of Knowing
BGI SENTIS™ Colorectal Cancer Genetic Testing

Advantages

**Comprehensive**
A single assay that detects most known mutations associated with the effectiveness of targeted therapy in colorectal cancer, providing molecular evidence for the consideration of 8 targeted therapies

**Rigorous**
Stringent QC process ensures robustness of the test
The Power of Knowing
BGI SENTIS™ Colorectal Cancer Genetic Testing

Advantages

<table>
<thead>
<tr>
<th>GENE</th>
<th>TYPE OF MUTATION</th>
<th>HOTSPOT MUTATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>KRAS</td>
<td>SNV</td>
<td>G12(C,R,S,A,D,V); G13(C,R,S,A,D,V); Q61(K,P,L,R,H); K117N; A146(P,T,V)</td>
</tr>
<tr>
<td>NRAS</td>
<td>SNV</td>
<td>G12(C,R,S,A,D,V); G13(C,R,S,A,D,V); Q61(K,P,L,R,H); A146(P,T,V)</td>
</tr>
<tr>
<td>BRAF</td>
<td>SNV</td>
<td>V600E, V600G, V600A</td>
</tr>
<tr>
<td>PIK3CA</td>
<td>SNV</td>
<td>E542K, E545(K,Q,A,G,V), Q546(E,K,L,P,R), D549N, H1047(L,R)</td>
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<tr>
<td>PTEN</td>
<td>SNV, CNV</td>
<td>R159S, R223*, Copy Number Loss</td>
</tr>
<tr>
<td>EGFR</td>
<td>SNV, CNV</td>
<td>S492R, Copy Number Gain</td>
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<tr>
<td>NOTCH1</td>
<td>CNV</td>
<td>Copy Number Gain</td>
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</tbody>
</table>

Turnaround time
6 working days (from sample arriving at BGI lab to report)

Ordering Information

<table>
<thead>
<tr>
<th>ITEM</th>
<th>CATALOG NO.</th>
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<tbody>
<tr>
<td>BGI SENTIS™ Colorectal</td>
<td>DX1278</td>
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</table>

Contact your local BGI representative for more information or email info@bgi-international.com.

More information can also be found on our website. www.bgi.com/global/

Workflow

Counselling and Consent
Sample Collection
DNA Extraction and QC
Targeted Capture and NGS
Data Analysis and Interpretation
Report Ready
Genetic Counselling

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Testing services not currently available in the United States of America. Please contact a representative for regional availability.