Description
OneSeq is a target-enrichment product for Next Generation Sequencing (NGS) developed to survey the entire genome for copy number variations (CNVs) and copy-neutral losses of heterozygosity (cnLOH intervals) while simultaneously searching for point mutations and indels in targeted regions of interest.

The OneSeq Hi Res CNV Backbone + Custom libraries contain a backbone design (for CNV and cnLOH detection) and a user-selected SureSelect design for detection of point mutations and indels in targeted regions of interest.

Test Conditions
The RNA library integrity is verified on the Agilent 2100 Bioanalyzer. The backbone RNA library is functionally tested in a OneSeq capture experiment and verified by sequencing. Synthesis and capture of the custom SureSelect RNA library is validated by QPCR.