TruSight[™] Oncology Comprehensive (EU)

Clinical report example

illumina

For In Vitro Diagnostic Use. Not available in all regions and countries.

Clinically actionable report

TruSight Oncology Comprehensive (EU) (TSO Comprehensive (EU)) makes comprehensive genomic profiling (CGP) accessible to laboratories and health care professionals, enabling simultaneous analysis of biomarkers (DNA and RNA variants and complex genomic signatures) with known cancer associations in less time than conventional, iterative testing methods. Integral to the solution is the TSO Comprehensive (EU) clinical report. This report is automatically generated on the NextSeq[™] 550Dx System during the TSO Comprehensive (EU) workflow. The resulting streamlined clinical report:

- Is easy to read, clearly indicating patient sample information and genomic findings
- Identifies variants with evidence of clinical significance (therapeutic, prognostic, or diagnostic) based on information in EMA-approved drug labels, FDA-approved drug labels, society guidelines, or ASCO Clinical Practice Guidelines for the patient's tumor type, as specified by the Knowledge Base¹ and supporting rules engine
- Provides companion diagnostics (CDx) indications for current CDx claims
- · Provides clinically actionable data that can help inform therapy decisions according to clinical guidelines

Important facts and benefits of the expertly curated Knowledge Base¹ supporting the TSO Comprehensive (EU) clinical report



Abbreviations: ASCO, American Society of Clinical Oncology; EMA, European Medicines Agency; ESMO, European Society for Medical Oncology; FDA, Federal Drug Administration; ISO, International Organization for Standardization; IVD, *in vitro* diagnostic

The TSO Comprehensive (EU) clinical report



illumına " TruSight™Onco	ology Comprehensive (EU)	Sample ID Jane Doe	Tumor Type Breast cancer	Module Version 2.3.6.113	Knowledge Base 6.8.0.0	e Version	Report Date 2022-04-0
Companion	Diagnostics QC						
Companion Diag	gnostics Genomic I	Positions w	th Insufficier	nt Coverage	for Small \	/ariant	
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Companion	Diagnostics Inter	nded Uses	Evaluated				
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The TSO Comprehensive (EU) clinical report when a CDx is not detected

If a clinical diagnostic result is not detected, the TSO Comprehensive (EU) clinical report will contain the same reporting fields as described on pages 3 and 4 of this document. Instead of listing a possible CDx, the section entitled "Companion Diagnostic Results" will indicate that "No Companion Diagnostic biomarkers for the stated sample tumor type were detected."





Learn more

TruSight Oncology Comprehensive (EU)

Reference

1. Analysis provided courtesy of Velsera based on the TSO Comprehensive (EU) Knowledge Base. Current as of March 2023.

Intended use statement

TruSight Oncology Comprehensive (EU) is an *in vitro* diagnostic test that uses targeted next-generation sequencing to detect variants in 517 genes using nucleic acids extracted from formalin-fixed, paraffin-embedded (FFPE) tumor tissue samples from cancer patients with solid malignant neoplasms using the Illumina NextSeq 550Dx instrument. The test can be used to detect single nucleotide variants, multinucleotide variants, insertions, deletions and gene amplifications from DNA, and gene fusions and splice variants from RNA. The test also reports a Tumor Mutational Burden (TMB) score and Microsatellite Instability (MSI) status.

The test is intended as a companion diagnostic to identify cancer patients for treatment with the targeted therapy listed in Table 1, in accordance with the approved therapeutic product labeling. In addition, the test is intended to provide tumor profiling information for use by qualified health care professionals in accordance with professional guidelines and is not conclusive or prescriptive for labeled use of any specific therapeutic product.

Table 1: Companion diagnostics indication

Tumor type	Biomarkers	Targeted therapy
Solid tumors	NTRK1, NTRK2, and NTRK3 Gene fusions	VITRAKVI (larotrectinib)

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