With **ctDNA Tumor Fraction**, the Result is **Clear**



More confidence in positive and negative results

Most liquid biopsy tests offer a blurred image. True positive results stand out, but negative results are harder to interpret.

The clinical trial assay based on FoundationOne[®]Liquid CDx (IUO) can offer a clearer picture with ctDNA tumor fraction to support trial enrollment—even for wild-type biomarkers that rely on a confident negative result. Ready for trial enrollment for wildtype criteria, such as EGFR/ALK-negative for immunotherapy



ctDNA fumor fraction is the **key driver** of liquid biopsy concordance for **tissue-detected driver alterations**.¹



• Indeterminate negative with low ctDNA tumor fraction. Suggests potential for benefit with reflex tissue CGP testing where driver alterations are frequently detected.

Insights on molecular response add value and complement imaging.

Standard imaging to assess treatment response can take **months**, and the results can be **inconclusive**. Is a small visual change in tumor volume a signal of response, stability or progression?

FoundationOne[®]Monitor can add to this signal by showing changes in ctDNA tumor fraction to provide insights on molecular response that complement imaging.²



ctDNA tumor fraction provides a clearer picture compared to variant allele frequency (VAF) by combining a multi-omic assessment of DNA with filtering for clonal hematopoietic (CH) variants, which can confound VAF alone.^{4,5}

CH variants can confound ctDNA assessment based on VAF alone, with examples of variants with an increase, decrease or no change in VAF across treatment timepoints—**leading to less clear picture of molecular response**.

ctDNA tumor fraction incorporates CH filtering to provide a more precise estimate of ctDNA than VAF assessment alone.⁶

FAST ANSWERS

Get insights on ctDNA tumor fraction quickly to add **value to your clinical programs** or **translational research**.

8 days PROSPECTIVE RESULTS



The studies above used the clinical trial assay based on the Foundation Medicine liquid platform. The ctDNA tumor fraction algorithm used in these studies is for research use only.

References

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