



Know Cancer's Next Move

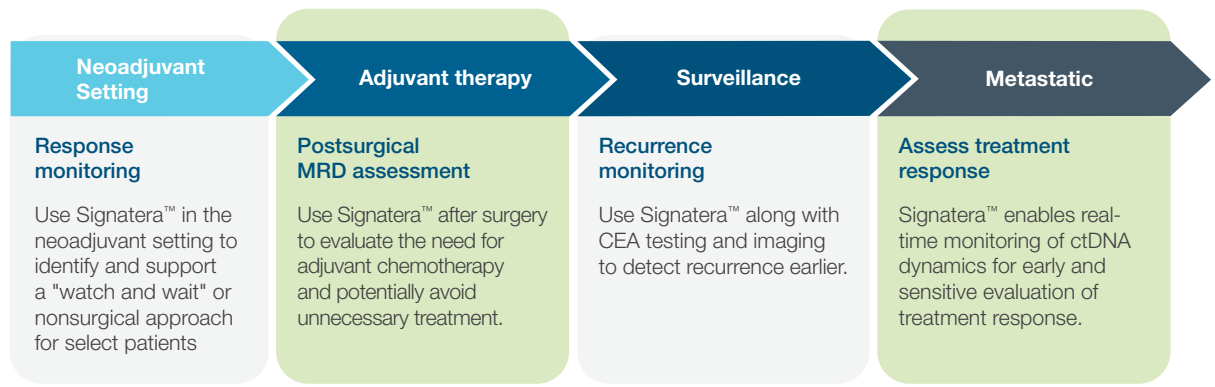
- > Does my patient need adjuvant chemotherapy?
- > Is the treatment working?
- > Is the cancer recurring?

**A personalized,
tumor-informed
approach for
molecular residual
disease (MRD)
detection**



MEDICARE
COVERAGE

When to use Signatera™ MRD test



In the neoadjuvant setting

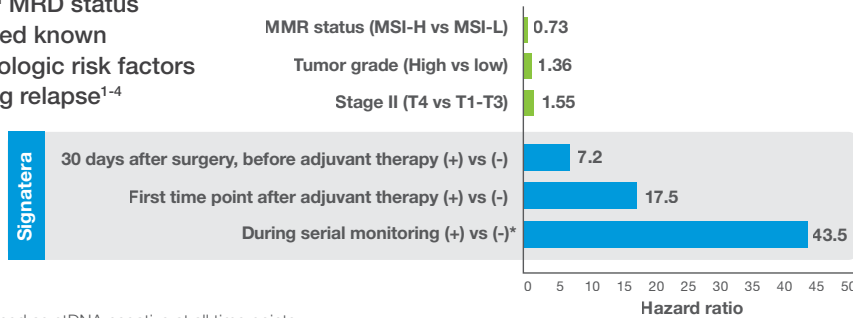
Tailor treatment or surgical strategies based on MRD status using primary tumor biopsy

In the adjuvant setting

Use after surgery to evaluate the benefit of adjuvant chemotherapy

Signatera™ more accurately identified patients at high risk of recurrence¹

Signatera™ MRD status outperformed known clinicopathologic risk factors in predicting relapse¹⁻⁴



*Negative is defined as ctDNA negative at all time points

- Serial testing improved sensitivity and negative predictive value of results
- Determined which ctDNA positive patients may benefit from adjuvant chemotherapy⁵

In the surveillance setting

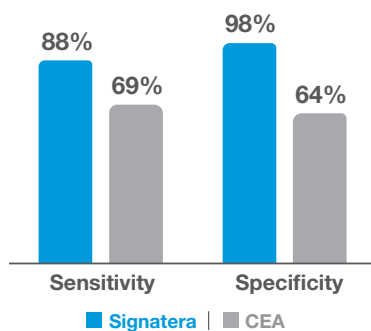
Use along with CEA testing and other surveillance tools to detect recurrence earlier, to inform surgical and / or other early intervention

Signatera™ was shown to detect relapse more accurately than CEA with clinically meaningful lead times over CT scans¹

- Get clarity when evaluating patients with indeterminate CEA levels or CT scans
- Signatera™ facilitates shared decision-making and confident treatment planning

CEA = carcinoembryonic antigen
 CT = computed tomography
 ctDNA = circulating-tumor DNA

Accuracy in detecting relapse



Average lead time of ctDNA detection before CT scan

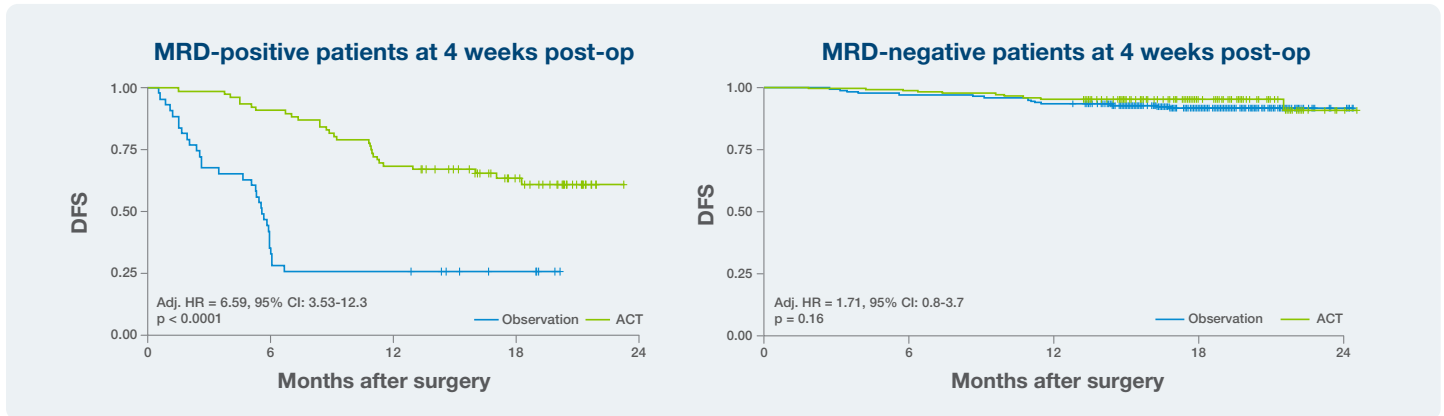
8.7

MONTHS

Maximum lead of 16.5 months

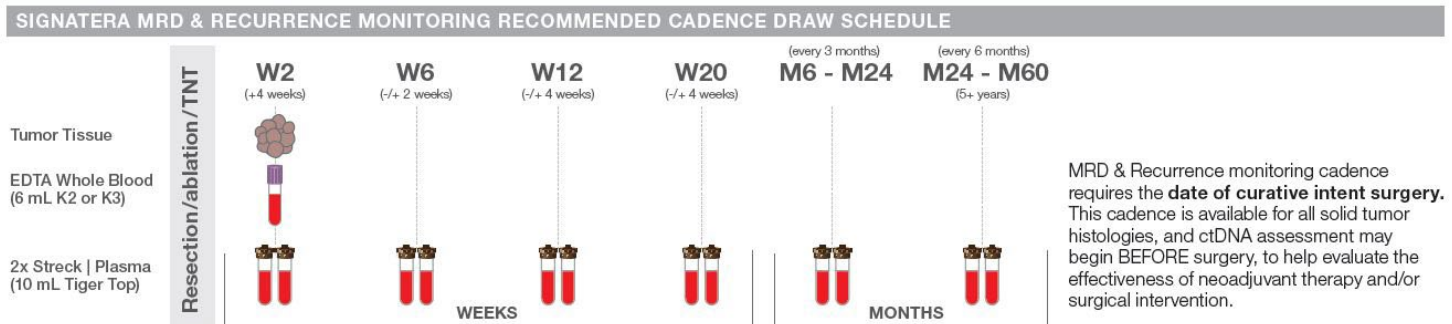
A large-scale prospective, MRD-guided study evaluated the clinical utility of ctDNA analysis in colorectal cancer (CRC)

MRD-positive CRC patients at 4 weeks post-op benefited significantly from chemotherapy while MRD-negative patients at 4 weeks post-op *did not* demonstrate any significant trend in treatment benefit



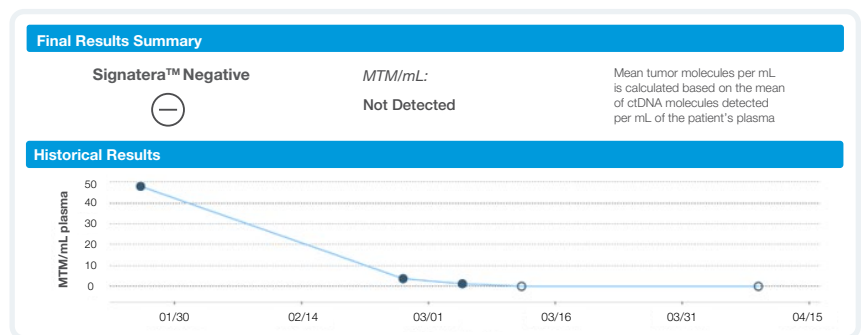
Ordering Signatera™ for patients with colorectal cancer

Signatera™ is custom-designed for each patient using their own tumor tissue



Track ctDNA dynamics to enable longitudinal monitoring

Signatera™ reports presence/absence of ctDNA and ctDNA quantity in terms of MTM/mL for longitudinal assessment



MTM = mean tumor molecules



Just like no two tumors are alike — Signatera™ is personalized for each patient



Tumor-informed MRD assay for individualized care

- Customized for each patient's unique tumor signature using WES to target the top clonal mutations



High sensitivity and specificity for accurate MRD assessment

- By only tracking tumor-specific variants, sensitivity is optimized with a LOD down to 0.01% VAF⁸
- Filters out germline and CHIP mutations to reduce background noise and to minimize false positives

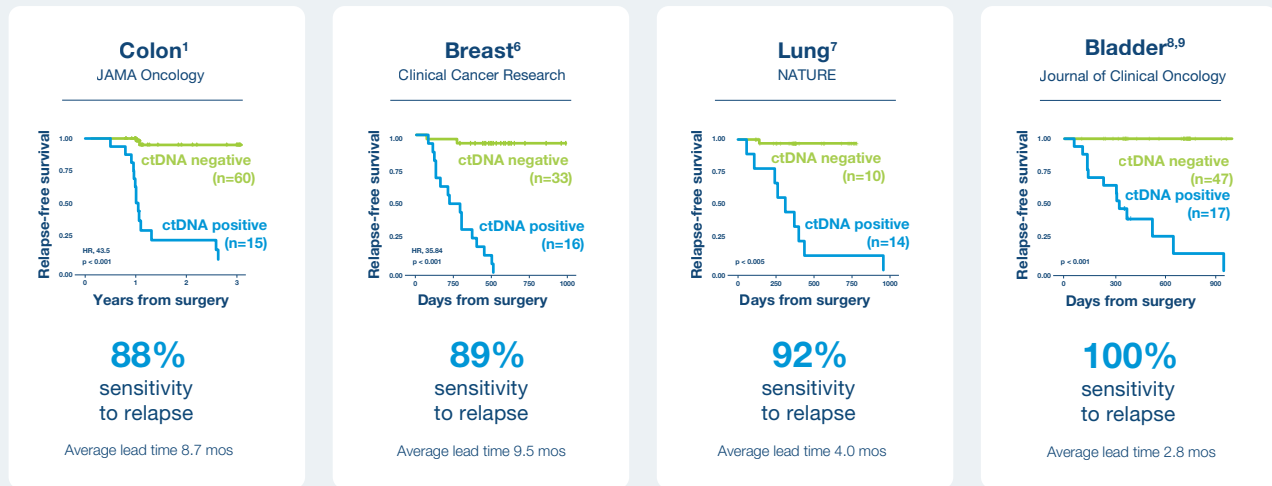


Reliable longitudinal monitoring for confident decision-making

- Tracks ctDNA dynamics by MTM/mL to enable longitudinal monitoring with a simple blood draw
- Follows clonal mutations that should persist as the tumor evolves

LOD = limit of detection; CHIP = clonal hematopoiesis of indeterminate potential; VAF = Variant allele frequency; WES = whole exome sequencing

Signatera™ is validated across multiple tumor types^{1,6-8}



References

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2. Sinicrope FA, Foster NR, Thibodeau SN, et al. DNA Mismatch Repair Status and Colon Cancer Recurrence and Survival in Clinical Trials of 5-Fluorouracil-Based Adjuvant Therapy. *J Natl Cancer Inst.* 2011;103(11):863–875.
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4. Yothers G, O'Connell MJ, Lopatin M, et al. Validation of the 12-gene colon cancer recurrence score in NSABP C-07 as a predictor of recurrence in patients with stage II and III colon cancer treated with fluorouracil and leucovorin (FU/LV) and FU/LV plus oxaliplatin. *J Clin Oncol.* 2013;31(36):4512–4519.
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6. Coombes RC, Page K, Salari R, et al. Personalized Detection of Circulating Tumor DNA Antedates Breast Cancer Metastatic Recurrence. *Clin Cancer Res.* 2019;25(14):4255–4263.
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8. Christensen E, Birkenkamp-Demtroder K, Sethi H, et al. Early Detection of Metastatic Relapse and Monitoring of Therapeutic Efficacy by Ultra-Deep Sequencing of Plasma Cell-Free DNA in Patients With Urothelial Bladder Carcinoma. *J Clin Oncol.* 2019;37(18):1547–1557.
9. Data on file

Learn more about Signatera™:

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Signatera™ has been developed and its performance characteristics determined by the CLIA-certified laboratory performing the test. The test has not been cleared or approved by the US Food and Drug Administration (FDA). CAP accredited, ISO 13485 certified, and CLIA certified. © 2024 Natera, Inc. All Rights Reserved. SGN_MD_CRC_BRO_20240129_NAT-8020221

