SIMSEN DIAGNOSTICS

EU-BASED · GDPR-COMPLIANT

TUMOUR-INFORMED, ULTRA-SENSITIVE CTDNA ANALYSIS

See cancer come back before a scan can.

A liquid-biopsy assay built from each patient's own tumour, so you detect minute traces of circulating tumour DNA, follow them over time, and act on what treatment is really doing. One blood draw, processed entirely within the EU.

Ultra-sensitive
Detection to very low VAF

Patient-specific
Personalised panel

Persistent monitoring
Track over time

WHAT YOU USE IT FOR

- **Early recurrence detection**
  Flag relapse months before imaging
- **Minimal residual disease (MRD) monitoring**
  Confirm whether disease persists after treatment
- **Treatment response assessment**
  See if therapy is working, sooner

WHY TUMOUR-INFORMED

↑ TUMOUR-INFORMED	↓ TUMOUR-NAIVE
• **Greater sensitivity**	• Lower sensitivity
• **Full mutation spectrum**	• Limited scope
• **Reduced bias**	• Potential bias

HOW IT WORKS · EU-BASED, END TO END

Tumour + control
FFPE / fresh frozen, plus whole blood

›

Exome sequencing
Mutational profile

›

Smart personalised panel
Up to 50 patient-specific assays

›

Plasma samples
Longitudinal liquid biopsy

›

SiMSen-Seq
Ultrasensitive analysis & report

3–4 wks **Set up the patient**
Personalised panel design, mean time

4–7 days **Each ctDNA result**
Working days, per plasma timepoint

Every report: ctDNA load (MM/mL and VAF), per-variant molecule counts, clonal-evolution tracking, and full raw data via secure transfer.

WORK WITH US YOUR WAY

Full-service ctDNA
We run the complete workflow and reporting.

Personalised panels in-house
Custom panels run on your own sequencer.

Fast to adopt. No need to build tumour-informed assays or bioinformatics from scratch.

WHAT SETS US APART

- **Flexible inputs**
  Biopsies, WES / WGS, large-panel data
- **Tailored reports**
  Bespoke, actionable insight
- **Rapid turnaround**
  ctDNA results in 4 to 7 working days
- **Clinically relevant**
  Add resistance markers in one assay
- **EU-based, GDPR**
  All work performed within the EU
- **Built to scale**
  From single cases to trial cohorts

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Simsen Diagnostics AB
AZ BioVentureHub, Pepparedsleden 1, 431 83 Mölndal, Sweden
+46 31 249 000 · simsendiagnostics.com · inbox@simsendiagnostics.com