Countable Labs.

Stop missing what matters.

Ultra-sensitive single-molecule detection for oncology.

For Research Use Only.
Not for Use in Diagnostic Procedures.

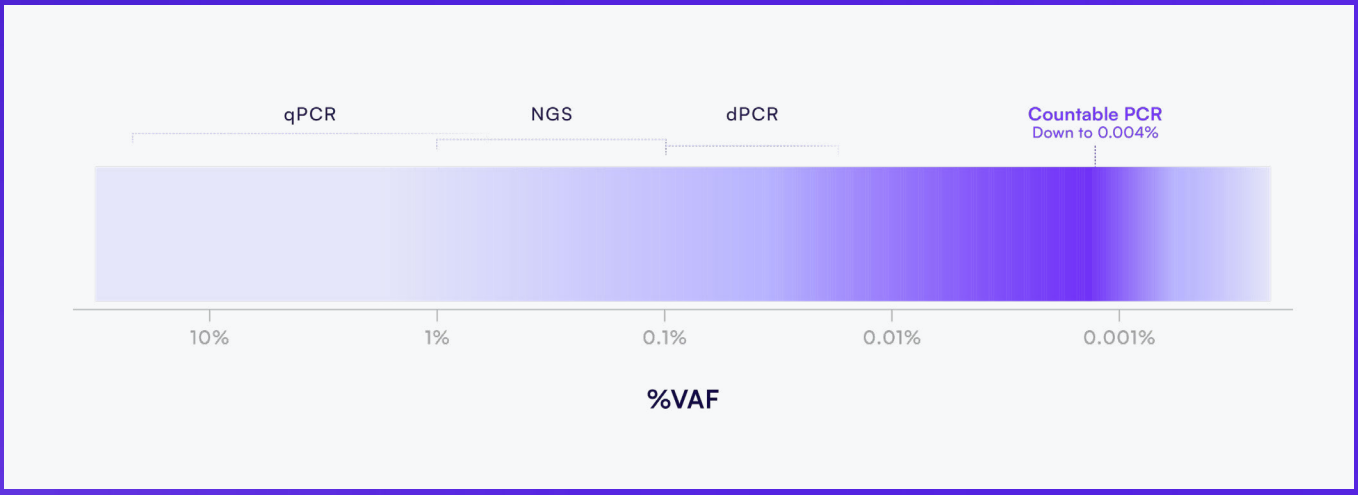
 | #MK054 v1.0

countablelabs.com

When sensitivity defines the outcome.

In oncology, the most important signal is often the rarest.

Conventional detection has limits.



qPCR

Typically >1% VAF, standard curve variability limits ultra-low quantification.

NGS

Generally ~0.1—1% VAF, detection below this range relies on high sequencing depth and error correction.

dPCR

Approaching 0.03% VAF, precision diminishes near threshold and statistical correction required.

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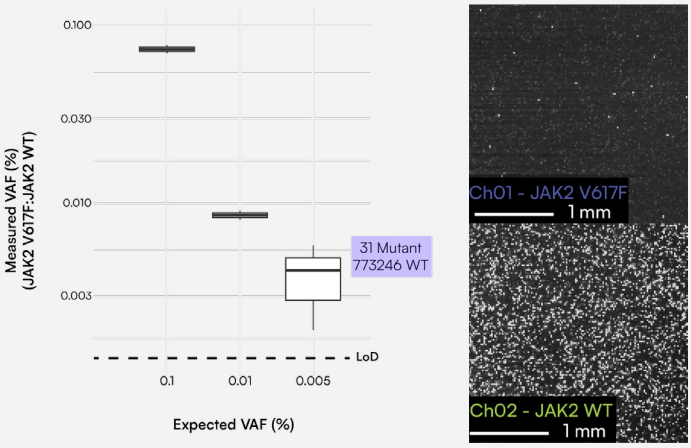
Experience sensitivity like never before.

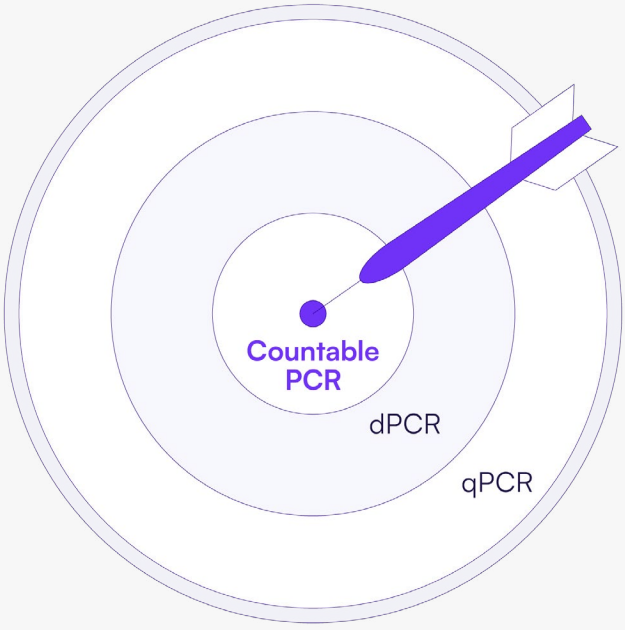
Single-molecule detection. True absolute counting.

See what others miss.

- Detect variants down to 0.004%
- Analyze the entire sample to maximize rare signal - no sample splitting or loss
- Resolve rare variants within high wild-type background



Countable PCR enables detection of JAK2 V617F mutation present at 0.004% VAF in background of WT JAK2.



Precision that holds at the lowest levels.

<1% CV across instruments and runs.

No standard curves. No complex bioinformatics.
Just direct molecule counting.

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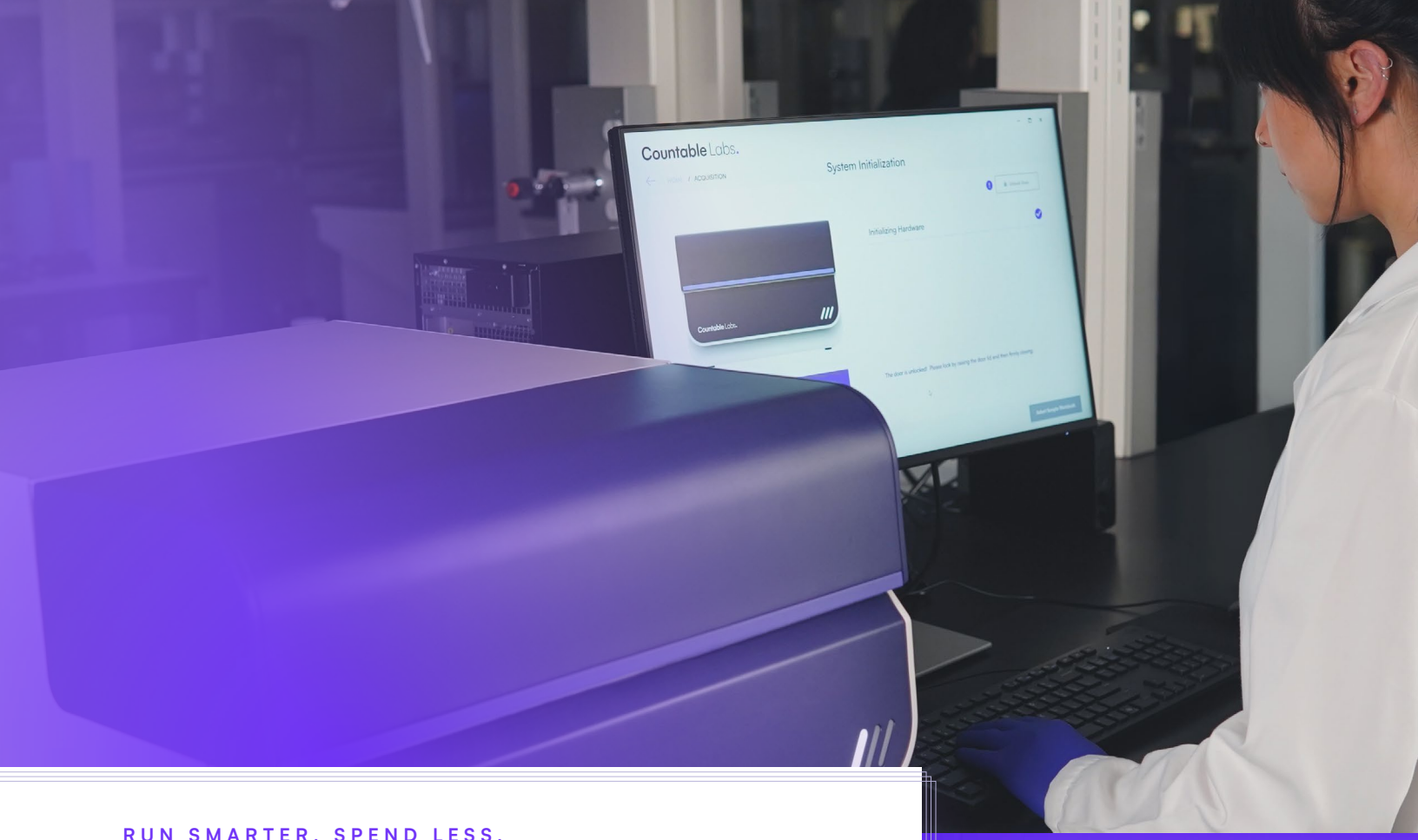

RUN SMARTER. SPEND LESS.

Superior sensitivity. Simplified workflow.

Results in hours — not days.

- Same-day turnaround
- Minimal hands-on time
- Single-tube workflow
- Automated single-molecule counting

Run fewer reactions — with more confidence.

- Multiplex multiple targets per reaction
- Eliminate standard curve reagent waste
- Reduce per-sample cost

Reproducibility you can standardize.

- True, absolute quantification
- <1% CV across instruments and runs
- No standard curves or calibration burden

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From ready-to-run panels to custom assays.

Start today with clinically relevant panels.

- Expert-designed with performance characterization
- Optimized for heme-oncology and solid tumor liquid biopsy applications
- Begin monitoring immediately - no assay development required
- Multiplexed assays for streamlined variant detection

Build custom assays in days, not months.

- Rapid assay design using Universal Multiplexing technology
- No costly custom probe development
- Accelerate validation of NGS discoveries
- Enable patient-specific mutation tracking with ease

What we count:

- DNA
- RNA

Countable PCR sees it all.

- RNA Fusion Gene Detection
- ctDNA & cfDNA Quantification
- Genome Phasing
- Epigenetic Biomarker Detection
- Biomarker Validation

Designed for real-world samples and studies.

Compatible with:

- Plasma ctDNA
- cfDNA
- Whole blood
- Solid tumor tissue
- And more

Flexible operations:

- Scalable from 1-96 samples per run
- Optimize turnaround times - no batching required

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See every molecule. Monitor deeper. Translate faster.

To learn more about Countable PCR, visit us at **countablelabs.com**.

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