Countable Labs.

Finally get the sensitivity you want and the reproducibility you need.

Meet Countable PCR

Transform your genomics experience.

Get reproducible counts for your viral titer studies

In applications like viral quantification, you need precise, repeatable counts. Single-molecule resolution ensures your confidence in measurements across replicates, users, and sites.

Determine copy number — even with limited material

Don't let sample input be a barrier to your work. High sensitivity and low dead volume enable reliable copy number detection, even with minimal DNA or RNA.

Capture the full gene

Improve your insight when you measure full-length genes directly with up to 2 kb long-amplicon reads, without workarounds.

Track biodistribution with confidence

Detect low levels of target DNA or RNA in tissues with the sensitivity needed for biodistribution and clearance studies.

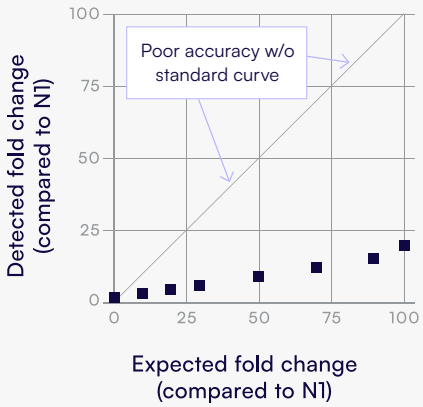
Infer functional titer via genome integrity

Quantify complete or partial genomes in a single reaction for a clearer picture of viral product quality and functional potential.

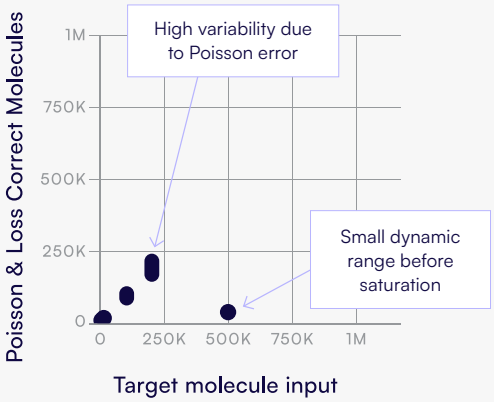
Get reproducible, highly precise data from a solution that outperforms other PCR systems.

Performance comparison of Countable PCR vs. qPCR and dPCR methods. Data generated from same DNA samples to showcase platform dynamic range and variability.

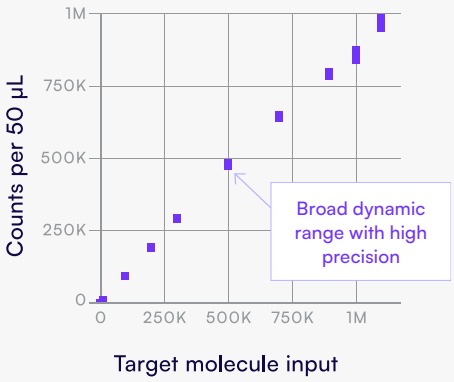
qPCR



d(d)PCR



Countable PCR



Save more precious sample, without sacrificing accuracy.

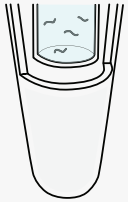
Highly sensitive VCN counts

Get consistent, sensitive determination of vector copy number, even when material is scarce.

Load as low as 0.5 ng of DNA — that's about 70 cells, total — and get reliable VCN determination.

Cell passage	Approximate input DNA (ng)	Average VCN
P0	5.0	26.02
P5	0.5	4.28

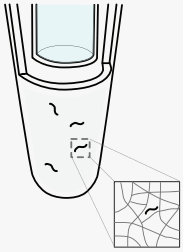
An end-to-end platform for your everyday workflow.



01. Setup

Setup with all the probes, primers, and target you need in one tube.

Use hydrolysis probes you're already using, or try the Universal Multiplexing Kit from Countable Labs, and get cheaper, faster turnaround times for your multiplexing assays.

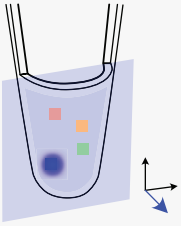


02. Spin

Spin your sample to form the Countable Matrix directly in the PCR tube. There's no microfluidics, no dead volume, just full recovery of 35 µL of target sample.

03. Amplify

Amplify your targets. The Countable Matrix ensures multiplex targets amplify independently and evenly, without interference or bias.



04. Count

Count millions of molecules using 3D imaging, all without moving your sample.

No thresholds. No manual gating. No Poisson correction. Countable PCR gives you real counts — not estimates — automatically.

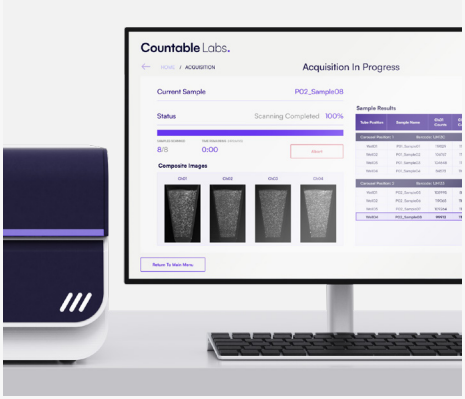
What's inside?

The **Countable Matrix Columns & Strip** and the **Matrix consumables** make getting single-molecule compartments for direct counting possible.

The **Countable PCR Mix** has everything you need to amplify targets in your matrix for single-molecule counting.

The **Universal Multiplexing Kit** contains all the probes you need that — when paired with standard oligomeric primers with an adaptor — make multiplexing a breeze.

The **Countable Instrument** images each of your samples in under five minutes, automatically giving you direct, actual counts of your gene targets.



Countable Control Software makes designing and executing experiments easy, while quickly reporting on your target counts — automatically, without manual thresholding.

Countable Labs.

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Version #

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