

Agile R100 Binding Assay System for Label-free Validation at Your Bench

What could you do with the ability to **quickly validate your labeled biochemical or cell-based assays** from the comfort of your bench? **No more sending false positives to secondary screening** - now you can be sure of your hits with a direct measurement tool that reduces confounding interactions. The single-sample Agile R100 binding assay system lets you have personal control over confirming results from your primary screen, **reducing the time and resources spent on compounds that ultimately fail**. Learn more about this breakthrough platform that's revolutionizing pharmaceutical and biotherapeutics development.



Agile™ R100 Rethink Your Results.

11-LOG DYNAMIC RANGE

With an unprecedented **11-log dynamic range**, you can use a single platform to confirm results for weak binders, or study tight-binding interactions that bottom out on other systems.

LESS MATERIAL

Use just a **10 µL drop of sample and 0.5 ng of target material** and save precious reagents and resources.

MATRIX COMPATIBLE

Small molecules and proteins can be measured directly in **solvents such as DMSO (up to 10%), detergents, cell fractions, tissue lysate, or serum**, significantly reducing sample prep time.

LABEL-FREE

Labels can confound interactions and produce incorrect results. Double-check your hits with a **direct measurement platform** to have confidence in your candidate selection.

2 MINUTES TO 8+ HOURS

You can **run an assay in 2 minutes** for labile interactions, or study K_{off} for over 8 hours to measure slow off-rates.

SMALL MOLECULES > 10 Da

Measure biomolecules starting from **10 Da**.

EASY TO LEARN

The single-sample Agile R100 **applies your sample directly to the sensor surface** via a pipettor, eliminating complicated system components and processes. Our Getting Started Kit walks you through training in 4 hours.



Capture Elusive Binding Data for Your Key Compounds

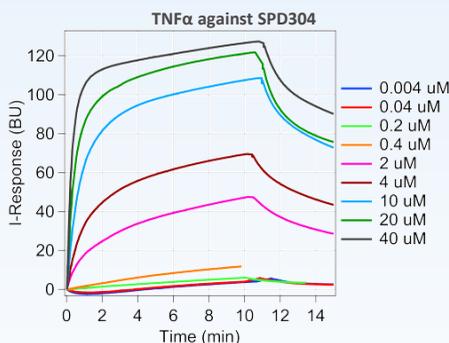
Agile R100 is an optics-free assay troubleshooting tool that lets you capture data for all of your compounds. Undeterred by solvents or detergents, the system can detect the weakest interactions in low concentrations to deliver data not possible before.

VERSATILE APPLICATIONS



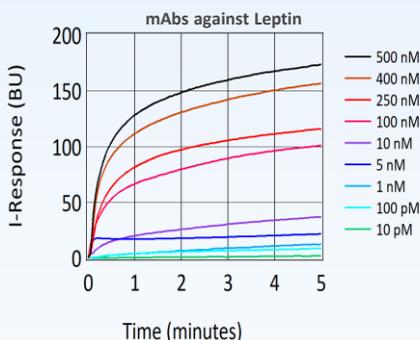
WEAK BINDERS

Detect weak binding of small molecules and small amounts of target with the Agile R100 graphene biosensor.



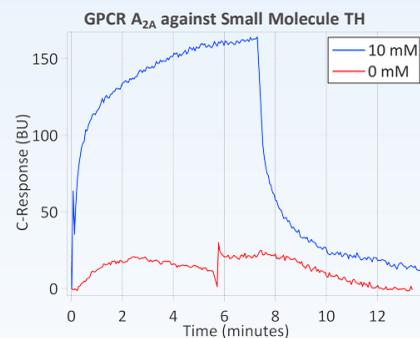
TIGHT BINDERS

High-affinity interactions can bottom out with a labeled assay. Make direct measurements to ensure accuracy.



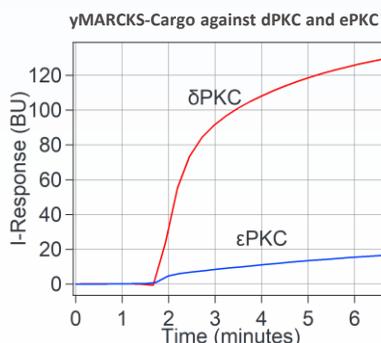
UNSTABLE PROTEINS LIKE GPCRS

Validate binding of GPCRs, ion channels, transporters, and other unstable proteins with a microfluidic-free system.



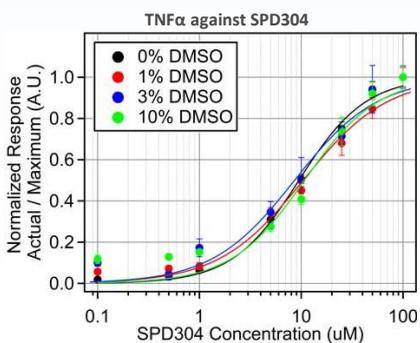
UNDRUGGABLE TARGETS

Graphene is a biologically nonreactive material that minimizes non-specific binding.



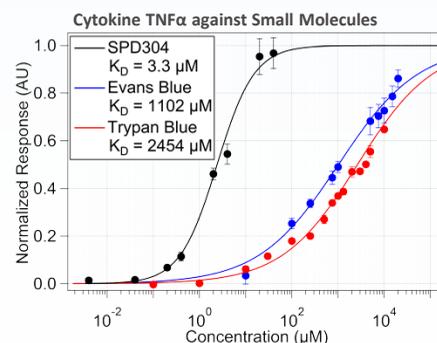
COMPLEX SAMPLES

Quickly check compounds not soluble in aqueous buffer and skip solvent correction.



KINETIC CHARACTERIZATION

Verify SAR results with sensitive kinetic binding affinity K_D , on-rates (k_{on}) and off-rates (k_{off}).



Contact Us For a 30-Day Free Trial Opportunity

We're here to help you achieve the binding data you need when you need it. Contact us to learn more!

Trial and Order Requests

844.894.7729; sales@nanomedicaldiagnostics.com

www.nanomedicaldiagnostics.com/request-trial

Explore

info@nanomedicaldiagnostics.com

www.nanomedicaldiagnostics.com