



## Our Vision: Universal Multiplexing



### **Early Access Program: microRNA Expression Profiling**

**Firefly BioWorks, Inc.** (Cambridge, MA) is introducing a universal platform for solution-phase multiplexed detection of proteins and nucleic acids, based on multifunctional encoded particles. Our platform has the unique advantage of being instrument independent: users will be able to perform our assays without purchasing dedicated equipment, as our particles can be read on standard flow cytometers and decoded with our FireCode software suite.

We are currently offering a beta-testing program for the purpose of refining our kits before commercial launch. Early access participants will receive our first products free of charge and will be invited to provide their feedback on robustness, ease of use, and performance. After submitting their review, participants will receive a 25% discount on the regular price of our miRNA products for six months.

The Firefly miRNA assay has been optimized to provide attomole sensitivity, 4+ logs of dynamic range and discrimination across closely related targets, with a 4 hour workflow for 96 samples. Firefly will provide reagents, software and support to perform multiplexed microRNA assays over 12 targets (7 fixed and 5 chosen by the customer) in 96 samples. Participants will be asked to sign a material transfer agreement that addresses confidentiality, intellectual property and publication policy. Please contact us at [beta@fireflybio.com](mailto:beta@fireflybio.com) to enroll or learn more about our program. We look forward to working with you!

## Firefly Early-Access: Requirements and Expected Performance

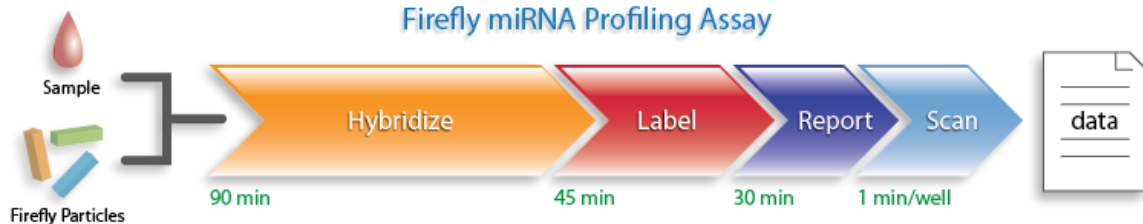
### Qualified beta-test sites should have:

- Access to one of the following benchtop cytometers:
  - Millipore Guava 8HT
  - Millipore Guava 6HT-2L
  - Accuri C6
- A filter plate manifold.
- A plate shaker/incubator at 37°C.
- Approximately 5 hours of time (1 hour training, 4 hours running the assay).

### Firefly BioWorks will provide:

- 1 Kit to perform up to 96 assays over 12 microRNA targets: 7 fixed and 5 chosen by the customer from a pre-defined list.
- Standards to characterize assay performance.
- Software for data interpretation and export.
- On-site training and continued support.

### Experimental Workflow and Assay Performance:



Shown below are calibration plots for six microRNA targets measured at Firefly using three different cytometers for particles scanning. All targets show good linearity across the range of 0.3 – 5000 amol on all machines tested including the Accuri C6 (left), Guava 6HT-2L (middle), and Guava 8HT (right).

