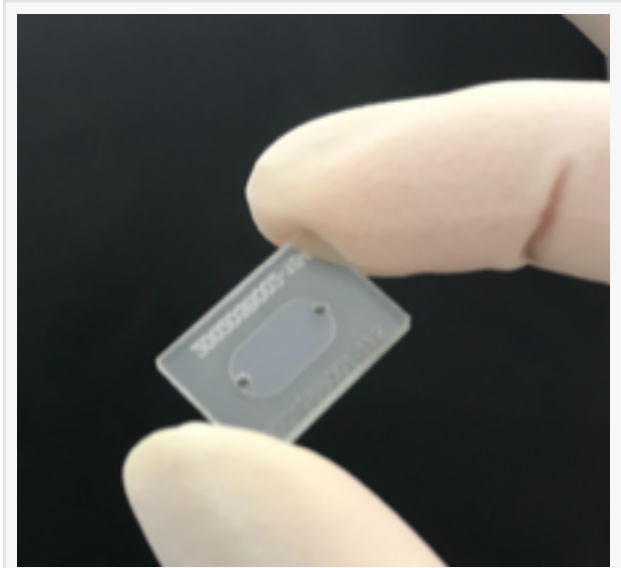


REDBUD LABS Expands STR Chip Offering

Company expands chip offering with introduction of STR™BeadPak, the only universal, ready-to-use microfluidic sample prep solution available for POC cartridges.

RESEARCH TRIANGLE PARK, NORTH CAROLINA, UNITED STATES, February 27, 2020

/EINPresswire.com/ -- Redbud Labs announced today an expansion to its cartridge-ready STR™ (“sorter”) microfluidic chip family with the introduction of STR™BeadPak. STR™BeadPak combines the company’s proprietary Redbud Post® technology with off-the-shelf magnetic beads to enable system developers to instantly port their sample prep workflows onto microfluidic cartridges. This product line extension means Redbud’s STR™ chip line is now backwards-compatible with a vast catalogue of existing life science workflows, making STR™BeadPak the most versatile sample prep solution for sample-to-answer system developers. STR™BeadPak chip can be employed during biomarker discovery, through platform development, and into volume production.



Redbud Labs' STR BeadPak chip

STR™BeadPak is compatible with magnetic beads of virtually any size and surface

“

Since we launched STR™ last year, we’ve gotten questions about what functional chemistries it would support. Today, we have an answer: all of them.”

CEO, Richard Spero

functionalization, including antibody, oligomer nucleotide, or a generic binding moiety such as neutravidin. Potential workflows include immunoassays, nucleic acid purification, and sorting of extracellular vesicles, microbes, and cells. Based on the same highly adaptable design used for all of Redbud’s products, STR™BeadPak is available immediately for testing. Developers can perform their own testing using starter kits in their own facilities or let Redbud port their existing assays to STR™BeadPak for them.

“Since we launched STR™ last year, we’ve gotten questions

about what functional chemistries it would support. Today, we have an answer: all of them. STR™BeadPak is the first product of its kind. It empowers system developers to continue using the magnetic beads they know and trust, with full confidence that they have a path to a cartridge-based solution down the road,” said Richard Spero, CEO.

STR™BeadPak is the only universal, ready-to-use microfluidic sample prep solution available. It builds on STR’s track-record, delivering industry leading speed. [In a recent study](#), STR™BeadPak captured 94% of targets in 5 minutes, compared to only 9% for an on-cartridge method, and achieved 1,000x faster target capture versus a conventional on-cartridge method. STR™BeadPak is designed to accelerate development of high-performing sample-to-answer systems by solving the persistent challenge of microfluidic sample preparation.

ABOUT REDBUD

Redbud Labs, headquartered in Research Triangle Park, North Carolina, manufacturers breakthrough components for life science industry, intended to solve the industry's ubiquitous microscale fluidic challenges. Redbud technologies, powered by Redbud Posts[®], have broad application across a variety of segments including basic research, drug discovery and development, biomanufacturing, diagnostics, sequencing and applied markets. Redbud Posts are an array of flexible, magnetic micropillars printed on a silicone film that can be affixed to a substrate. Redbud Posts rotate in response to a magnetic field, inducing microfluidic agitation for rapid and efficient target capture. Industry partners seek Redbud's proprietary microchip technology, component design expertise and deep scientific know-how to advance their own next generation products. Rebudlabs.com

Kathryn Lawrence
Redbud Labs Inc.
+91 95379 75397
[email us here](#)

This press release can be viewed online at: <http://www.einpresswire.com>

Disclaimer: If you have any questions regarding information in this press release please contact the company listed in the press release. Please do not contact EIN Presswire. We will be unable to assist you with your inquiry. EIN Presswire disclaims any content contained in these releases. © 1995-2020 IPD Group, Inc. All Right Reserved.