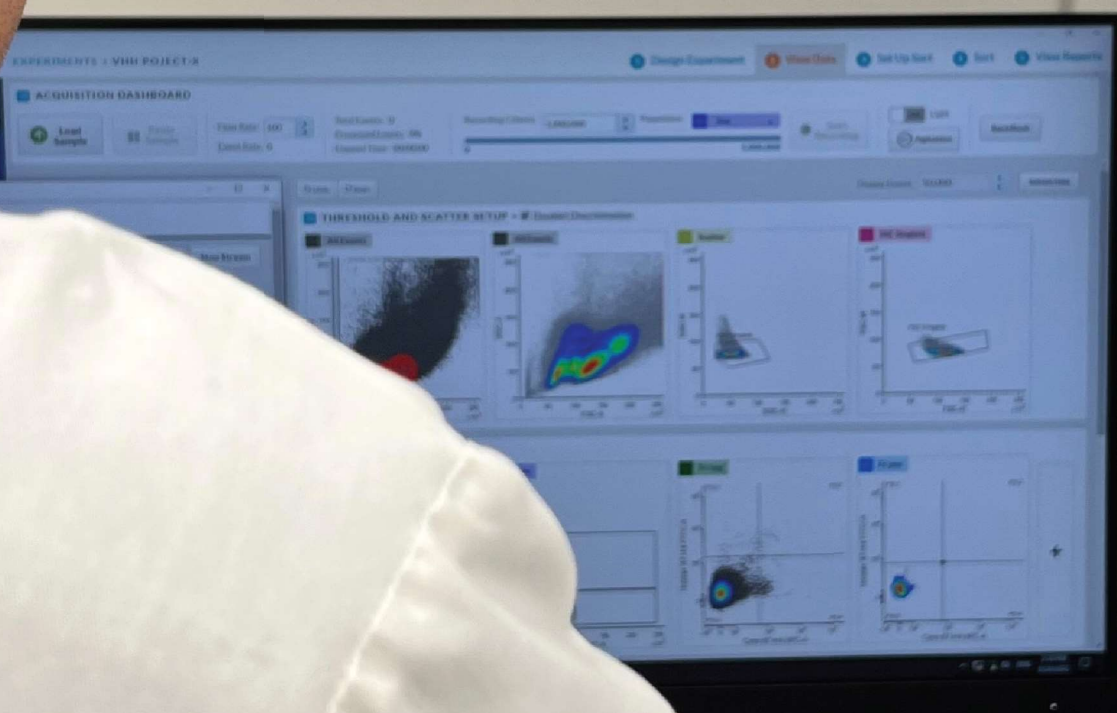




LAMPIRE
BIOLOGICAL LABORATORIES



SINGLE B CELL
APPROACH



SINGLE B CELL APPROACH

Revolutionize your antibody discovery with our Single B Cell Lama vHH process!

Swift and Cost-Effective: Say goodbye to the hassles of bacteriophage library creation and panning. Our cutting-edge technology ensures rapid delivery of antibody sequences and swift confirmation of binding, saving you both time and costs.

"Sequence-First" Advantage

Within days of PBMC collection, we provide full-length vHH sequences (approximately 2 weeks with third-party sequencing collaboration). Gain the upper hand by obtaining antibody sequences early in the process, enabling advanced sequence analytics. Unlike traditional BacterioPhage Panning workflows, our single B cell technology allows us to monitor, select, and preserve the immune response with unparalleled resolution immediately after PBMC isolation. No more waiting for late-stage antibody sequences – experience the power of early insights!

Tailored Hit Sets

By bypassing library creation, we significantly reduce the time to deliver a hit set of target-specific antibodies. Plus, our focus on single B cell technology means we aren't sacrificing useful sequences during the library creation process. Expect a faster turnaround and a hit set tailored to your specific needs.

Screening with CHO Recombinants

Leverage our vast knowledge base! Over 90% of Antibody Therapeutics are manufactured at scale in CHO cells. By screening vHHs as CHO recombinants, we tap into this well-established ecosystem. This not only streamlines the manufacturing and quality control (CMC) process but also ensures seamless integration with your mAb format of choice.

Unique Hitset Diversity

Investigate every cell individually during our sorting stage, allowing us to focus on high-affinity binders. The result? A higher chance of producing a unique hit set with a broader range of affinity and cross-reactivity. Elevate your antibody discovery with unparalleled precision!

Ready to transform your antibody discovery journey? Choose the Single B Cell LLama vHH process for efficiency, speed, and tailored results. Contact us at sales@lampire.com or call 215-795-2838 to kick-start your project



LAMPIRE is the leader of In-Vivo research and products. We pride ourselves on going above and beyond the industry standard.

We are AALAC, OLAW and ISO 13485:2016 certified.

The health and well-being of our animals has been, and always will be our top priority.

Each collection is conducted under the strict guidelines that are set forth in our Standard Operating Procedures overseen by our QMS system.

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