

The Vascular Access Button™ Advantage

The VAB™, which creates a quick, clean and needlefree way to access an implanted catheter, is at the heart of all of Instech's rodent blood sampling systems. Recommended by the NC3Rs organization for multiple samples from rats and mice, it is the standard for pharmacokinetics studies in many pharmaceutical research organizations. If your animals are already undergoing surgery for an IV dosing catheter, adding a second line for sampling can be a obvious refinement, particularly with rats.



LEARN MORE
ABOUT THE VAB™



Surgery Education

Many animal vendors can provide rodents with VABs™ installed as a surgical service, but if you want to implant them yourself we have resources to help you.

<https://www.instechlabs.com/education>



Equipment for Blood Sampling

Precise. Pure. Low-stress.



From manual sampling using a catheter to hands-free sampling through a tether with the automated blood sampler, we offer a range of equipment and supplies for repeated blood sampling from mice and rats. All feature the Vascular Access Button™ for low-stress needlefree access.

blood sampling options

ACUTE



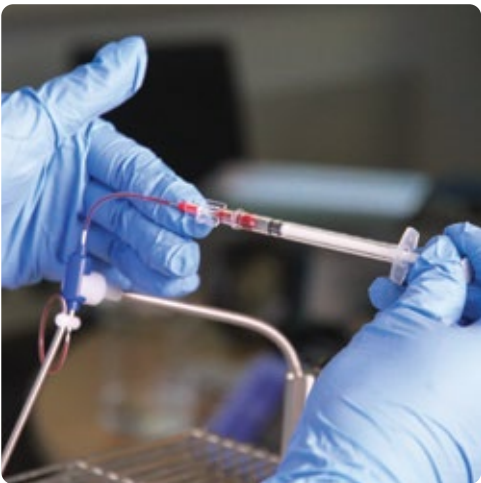
Traditional methods such as the puncture of retro-orbital, jugular, tail, sublingual, or saphenous veins make sense when the stress of surgery would be greater than the stress of sampling.

EXTERNALIZED CATHETER



The VAB™, a transcutaneous skin button, gives you simple and clean repeated access to an implanted catheter, typically in the carotid artery for blood sampling. Patency can extend for weeks or even months.

OUTSIDE THE CAGE





Connect a tether to a VAB™ to take blood samples outside of the cage, reducing animal stress even further.

AUTOMATED



Add Instech's Automated Blood Sampler to a tethered animal and it will take the blood samples for you at your programmed time points and store them in a refrigerated fraction collector.

Suitable for repeated samples	✗	✓	✓	✓
Animal stress during sampling	High – needlesticks and handling	Moderate – handling	Low – tethered	Low – tethered
No surgery required	✓	✗	✗	✗
Needlefree	✗	✓	✓	✓
Group housing during study	✓	✓	✗	✗
Pure sample	Depends on method	✓	✓	✓
Automated for high throughput	✗	✗	✗	✓
For the Rat Parts, pricing, and more				
For the Mouse Parts, pricing and more		