

Culex Automated In Vivo Sampling Systems provide researchers—worldwide—the best means to collect in vivo samples. Culex-L ABC ideal for those that wish to collect blood from large animal models—such as canine, swine, and primates. Automated Blood Collection is as simple as ABC.



> ANIMAL WELFARE

- Automated, stress-free, hands-off, serial blood sample collection
- Adaptable to a home cage where the subject can remain secure and comfortable
- No slings or restraints necessary

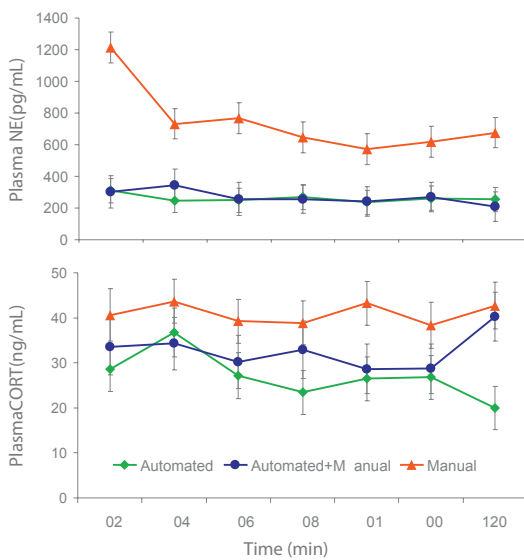
> HUMAN BENEFITS

- Hands-off sampling reduces risk of injury
- Collect blood from canine, swine, primates, or other large animal models anytime day or night without humans present
- Freedom from time-consuming manual sampling with prompt collection at programmed time

> EQUIPMENT SPECIFICATIONS

- Flexibility to choose from a variety of swivels, catheters, and tethering systems
- Small footprint for easy placement
- Sample volume and time are both programmable via software, with volumes ranging from 50uL to 1.75mL per time point
- Samples are collected into refrigerated (4 °C) vials
- Fraction collector can hold up to 26 vials
- Automatic “Tend” function maintains vascular catheter patency
- Volume of sampled blood is replaced by equivalent volume of saline
- Automatically generated reports log sampling times and volumes
- Use other sampling devices in conjunction with Culex, such as wireless telemetry implants

Large Animal Automated Blood Collection



Human interaction can be a significant source of stress for research subjects. The Automated group were catheterized and sampled on the BASi Culex®-L system. The Manual group were manually sampled via jugular venipuncture. The Automated + Manual group were sampled via the same route as Automated but were exposed to the visual and auditory responses of manually sampled conspecifics.

