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Coming Soon
Seizure Pro Software

Our advanced seizure analysis software allows users to quickly identify, analyze, and log user-defined seizure events over a given time period. Analysis tools include spectral power and peak frequency computation, heat maps, line length, Racine’s scale rating, seizure duration, and time between seizure events. In addition, custom reports and graphs can be generated based on aggregate seizure data.

Visit our website to learn more.

Featured Product
Bluetooth® System for Biosensor Recordings

Pinnacle is thrilled to announce the availability of a new potentiostat that uses Bluetooth® Smart technology to wirelessly record up to two biosensors simultaneously in one animal. The battery-powered potentiostat, which is housed in a Rat Hat and affixed to the skull of the animal, transmits up to two digitized signals to a paired USB dongle. Its design makes it ideal for high capacity biosensor studies, group-housed experiments, and behavioral research. In addition, the incorporation of Bluetooth® Smart technology allows this turn-key system to be used by researchers in laboratories worldwide.

Visit our website to learn more.

Reminder
Order Sirenia® Sleep Pro by October 31 to receive an extra year of free upgrades. Visit our website to learn more about how this software can reduce your scoring and analysis time by 75% or more.

New Product
Additional Camera Option

Pinnacle now offers a second camera option for our synchronized video system. The new package includes a box camera that has improved optics and low-light performance, as well as flexibility in mounting options. As shown in the image on the right, it can be mounted above the cage using Pinnacle’s standard mounting plate, on the cage stand, or to a tripod for recording at lower angles. A separate, automatic infrared illumination source allows video capture in conditions of reduced lighting and complete darkness. Existing users of Pinnacle’s video system can easily upgrade to the box camera by contacting a Pinnacle representative.

Learn more about both camera packages by visiting our website.

See You in New Orleans!
Neuroscience 2012
Surgery Tip
Implanting Carbon Fiber Sensors:
When initially inserting carbon fiber sensors into the brain during fast scan cyclic voltammetry (FSCV) and fixed potential amperometry (FPA) surgeries, observe the sensor's tip as it penetrates the cortical surface to ensure that no deflection or deformity occurs. Using a magnifying headset can make this process much easier. Also, make sure to lower the electrode extremely slowly (approximately 1 mm/min.) to prevent breakage once inside the brain.

View Our FSCV/FPA Poster

Technical Question
Is a null sensor necessary?
No, a null sensor is not necessary. Pinnacle biosensors are selective for the analyte of interest at normal in vivo oxygenation levels and over a physiologically relevant range. A wealth of data supports the efficacy of biosensors for the in vivo, real-time measurement of extracellular concentration changes for a specific analyte. Previous null sensor studies have unambiguously demonstrated that biosensor measurements do not respond to interference from other species under normal physiologic conditions. Null sensors may be a useful addition to experiments when the analyte concentration approaches the limit of detection of the biosensor. In all cases, an equilibration period of at least four hours after implantation is highly recommended for optimal results. Please follow the protocols established for each biosensor type. Review our biosensor FAQs and publications list for additional information.

Employee Spotlight
Chris Jubic
After graduating with a degree in biochemistry and molecular biology from Penn State, Chris Jubic moved naturally into a career in sales. "I wanted to be involved in the business aspect of science," Chris says. "This was the perfect hybrid job for me."

Chris' position as Director of Sales makes keeping up with the rapidly changing world of science one of his highest priorities, but it is a challenge that is well worth the effort. "I enjoy learning about different people's research, visiting their labs, and seeing our products in action." Other perks? Working closely with Pinnacle's customers has allowed him to see the world.

Most recently Chris visited Japan to introduce Pinnacle's new Bluetooth® Smart potentiostat to an international market. "Japan was cool in a lot of ways," Chris says about the trip. "The culture was unlike anything I've experienced before. Plus, working with our distributor, Neuroscience, Inc., to expand the use of our wireless products was very exciting."

Recent Publications
For a complete list of publications by Pinnacle customers, visit our website at http://www.pinnaclet.com/publications.html.

Biosensor Publications

Seizure Publications


Sleep Publications
isoliquiritigenin on the sleep architecture and profile in mice. *Food Science and Biotechnology*, 21(4), 1221-1225. doi:10.1007/s10068-012-0160-8


Have you recently published an article that isn't listed? Email us, and we'll include your article in our next newsletter.

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