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## **Insplorion: Launch of new sensor surfaces for Insplorion's instruments**

**Insplorion today introduced two new sensor surfaces for their instrument family. First there is a new completely flat sensor with immersed nanoparticles for the Insplorion Acoulyte. Second a sensor with greater caves for the study of the transport of drug candidates across cell membranes. This addition of Insplorion's instrument sensors will lead to that more applications and more customers can use Insplorion's measuring instruments.**

The new flat Acoulyte sensors make it easier for users of the QCM-D instrument to compare their past results, made by flat QCM sensors, with the new results measured by the combination of QCM and Insplorion's NPS technology. The new sensors are also important as they along with Insplorion's other sensors with different surface structure, can tell how much the nanoparticle size and shape affect biomolecules, which is of great importance in nano-medicine and nano-toxicology.

The sensors with greater cave in a small hole have been developed in collaboration with Andreas Dahlin, associate professor in the Department of Chemistry and Chemical Engineering at Chalmers University of Technology. These sensors enable a cell membrane placed above the cavities whereby one can study how fast and how much of a particular molecule passes through the membrane. The opportunity to study how quickly and how much of a specific molecule that is transported through a membrane is of great importance including at the early stages of drug development.

*"We are pleased that these new products will meet customer requests, both from Acoulyte and XNano customers, but mainly in the dialogues that we have with new customers. At the same time, our new cavity sensors will become an important contribution to the XNano system as it provides unique opportunities compared to other instruments within the Life Science segment,"* says Patrik Bjöörn, sales manager at Insplorion.

Read more about Insplorion's sensors here:

[www.insplorion.com/en/instruments/products/sensor-chips/](http://www.insplorion.com/en/instruments/products/sensor-chips/)

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