



PRESS RELEASE

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AcouSort will exhibit and present at CYTO 2024 – demonstrating the benefits of acoustic sample preparation for flow cytometry applications

CYTO 2024, the 37th annual Congress of the International Society for the Advancement of Cytometry is an international conference on the many facets of cytometry science and engineering. In line with the company’s focus on novel opportunities within cytometry, AcouSort will participate in the conference to present its innovative solutions for sample preparation and the vital role they can play to improve flow cytometry outcomes. AcouSort has also been selected to present two posters highlighting the value of acoustofluidics sample preparation.

The first poster is presented by Dr Vera A Tang of University of Ottawa. During the spring of 2024, AcouSort has collaborated with Dr Tang and her team on the development of a new method for isolation of cells from dissociated tissue using the AcouWash. The poster describes how the AcouWash system is used to purify dissociated tissue samples and efficiently remove debris and dead cells from the target cells, something that is very difficult to do with other techniques. Dr Tang’s main conclusions are that sample preparation using the AcouWash system offers a low-cost, gentle, and effective way to ensure that downstream analysis is performed on high quality viable samples.

The second poster presents AcouSort’s in-house work on high throughput cell wash and show new data on efficient and gentle cell wash at flowrates up to 5 mL/minute combined with a 5x up-concentration. By using acoustic cell wash, contaminants can be efficiently removed from the cells in a one-step process while retaining more than 98% of the cells. Proliferation studies also show that the AcouWash technology is very gentle to the cells and that cell proliferation after acoustic processing is the same as for unprocessed samples. The results presented in the poster is a great example on how acoustic sorting can be rapid, efficient, and gentle to the cells, combining several sample preparation steps into one.

“Flow cytometry has become an area of great interest to AcouSort, and we are thrilled to present our technology at CYTO in Edinburgh. We are also very proud to have been selected for two poster presentations. Dr Tang’s poster shows how seriously we take our collaboration with academia and how rapidly such collaboration can produce concrete results. The results presented in the second poster demonstrate the strength of our continued development and innovation efforts,” says Agnes Michanek, Commercial Director at AcouSort.

About the CYTO conference

CYTO conference in Edinburgh, Scotland, May 4-8, 2024

Venue: Edinburgh International Convention Center

AcouSorts booth: #58



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ABOUT ACOUSORT

AcouSort AB (corporate registration number 556824-1037) is an innovative technology company focusing on developing products and solutions for integrated preparation of biological samples. With the help of sound waves, the company's products can separate blood cells, concentrate, purify, and stain cells, exosomes, and bacteria from biological samples. The technology of the company's products is acoustofluidics, where sound waves and microfluidics enable automated handling of samples in a range of application areas, from research on new biomarkers to the development of new diagnostic systems for near-patient testing – so-called Point-of Care (POC) systems. The company's commercialization strategy is based on the already proven business model of providing separation modules to diagnostic system manufacturers for integrated sample preparation as well as to continue the commercialization of the company's research instruments. With the help of the company's products and development of point-of-care tests, new diagnostic systems and treatments are enabled, addressing some of the most challenging disease areas of our time: cancer, infectious diseases, and cardiovascular diseases. AcouSort is listed at Nasdaq First North Growth Market. The company's Certified Adviser is Carnegie Investment Bank AB (publ).