

## New PROMIX abstract presented at ESMO Asia in Singapore November 22

**Early prediction of tumour response to therapy is essential for individualized treatment. A relationship has recently been found between pathologic response in breast cancer (BC) and a measure of cell loss based on serum levels of thymidine kinase 1 (sTK1) and tumour volume.**

Abstract entitled "Tumour response to neoadjuvant chemotherapy in breast cancer: Routine pathologic markers improve the predictive power of a cell-loss metric based on release of thymidine kinase 1 into blood" will be presented by Bernard Tribukait at ESMO Asia Congress.

The purpose was to establish whether the predictive power of this cell-loss metric can be further improved by baseline tumour characteristics. The study included 58 women with localized BC received neoadjuvant epirubicin/docetaxel in six cycles, supplemented with bevacizumab in cycle three to six. And the cell-loss metric, defined as the ratio between sTK1 (ng/ml) and tumour volume (cm<sup>3</sup>), was obtained prior to and 48 hours after cycle two. The sTK1 was measured with AroCell TK 210 ELISA.

### About Thymidine Kinase 1

Thymidine Kinase 1 (TK1) is a key enzyme in DNA precursor synthesis. It is upregulated during the late G1 phase and early S phase of the cell cycle and its presence in cells is an indicator of active cell proliferation. Increased levels of TK1 in the blood can indicate active cell proliferation as a consequence of abnormal cell turnover and cell disruption triggered by for example therapeutic agents.

### About TK 210 ELISA

AroCell TK 210 ELISA is a quantitative immunoassay kit for the determination of Thymidine Kinase 1 (TK1) in human blood. The ELISA format is simple and robust, requires no special instrumentation to perform and can easily be incorporated in to standard laboratory processes. By utilizing monoclonal antibodies specific for the TK1 epitope TK 210, AroCell TK 210 ELISA brings improved sensitivity and specificity to the assay of this key biomarker. AroCell TK 210 ELISA provides new opportunities for studying cellular proliferation, disruption, and monitoring of therapy response and relapse in subjects with hematological and solid tumors.

### Contacts

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## About AroCell

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AroCell AB (AROC) is a Swedish company that develops standardized modern blood tests to support the prognosis and follow up of cancer patients. AroCell's new technology is based on patented methods to measure Thymidine Kinase 1 (TK1) protein concentrations in a blood sample. The TK 210 ELISA test provides valuable information mainly about the condition of cancer patients. This may help clinicians to optimize treatment strategies and estimate the risk of recurrence of tumor disease during the monitoring of the disease. AroCell (AROC) is listed at Nasdaq First North with Redeye AB as Certified Adviser: [Certifiedadviser@redeye.se](mailto:Certifiedadviser@redeye.se), +46 (0)8 121 576 90. For more information: [www.arocell.com](http://www.arocell.com)

## Attachments

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