

New Patent Strengthens AroCell's Intellectual Property Portfolio

AroCell AB is pleased to announce the Japanese Patent Office's confirmation of a new patent (patent application number: 2021-564698) for an innovative use of the TK1 protein in detecting and categorizing respiratory infections.

This patent, which was previously granted by the European Patent Office (EP3966568) in July 2024, signifies a major milestone for AroCell. It relates specifically to the use of serum thymidine kinase 1 (sTK1) to predict and diagnose Mycoplasma pneumonia caused by *M. pneumoniae*. Additionally, the TK1 protein levels can assist in determining the type of respiratory infection: if the TK1 levels are above the threshold, it indicates Mycoplasma pneumonia; if they are below the threshold, it suggests pneumonia caused by a different bacterium.

The research that supports the patent demonstrates an exciting opportunity to extend the use of our TK1 test to include respiratory infections. By strengthening the protection of our test, we facilitate further commercialization and broader use of our TK1 marker.

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About Thymidine Kinase 1

Thymidine Kinase 1 (TK1) is a key enzyme in DNA precursor synthesis. It is up-regulated during the S phase of the cell cycle and degraded in mitosis. Its presence in cells indicates active cell proliferation. Increased levels of TK1 in the blood can indicate abnormal cell turnover or disruption of cells in active proliferation triggered by, for example, therapeutic agents.

About AroCell

AroCell AB (publ) is a Swedish company that develops and markets blood and urine sample tests. The corporation specializes in oncology and bacteriology. The company has a broad product portfolio, used in healthcare, and established in various markets. In oncology, AroCell uses various biomarkers, TK1, and cytokeratins, to support the treatment of various cancers such as breast, prostate, and bladder cancers. AroCell's product portfolio also includes a rapid bacteriological test for a simple and safe diagnosis of typhoid fever. AroCell (AROC) is listed on Nasdaq First North Growth Market with Redeye AB as company's Certified Adviser. For more information; www.arocell.com

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Attachments

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