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Volition Presents at the 5th Annual Congress of the International Liquid Biopsy Society

HENDERSON, Nev, Nov. 17, 2023 /PRNewswire/ -- VolitionRx Limited (NYSE AMERICAN: VNRX) ("Volition"), a multi-national epigenetics company, is presenting at the 5th Annual Congress of Liquid Biopsy being held in Madrid, Spain.

Lea Payen-Gay, Professor in Toxicology and Biochemistry, University of Lyon I Hospices Civils de Lyon, France and Dr. Jake Micallef, Chief Scientific Officer, Volition will present a one-hour session entitled "An Introduction to circulating nucleoproteins" on Monday November 20, 2023.

Dr. Jake Micallef, Chief Scientific Officer at Volition, said: "We recently unveiled what we believe to be an entirely new cancer detection method¹. This data has generated significant interest from large diagnostic and liquid biopsy companies alike. We are delighted to be presenting at the International Liquid Biopsy Society's Congress and furthering these discussions."

In early-stage cancer, it is difficult to detect cancer-derived circulating tumor DNA (ctDNA) in the blood because it may comprise as little as 0.01% of the DNA present among a background of 99.99% normal DNA. Moreover, most of the cancer DNA has exactly the same sequence as normal DNA.

As physical separation of tumor-derived and healthy circulating DNA has never before been achieved, current ctDNA detection methods involve DNA extraction, sequencing of all (cancer and normal) circulating DNA then analysis of the sequencing data using sophisticated computer bioinformatics, to tell them apart.

Volition has developed a novel method for liquid biopsy involving the first reported physical isolation of a class of tumor-derived ctDNA fragments from blood. Cancer-derived ctDNA fragments are then extracted after removal of all normal background DNA of the same sequence for detection with a simple, low cost PCR test.

Volition's proof of concept data¹, demonstrates the isolation of tumor-derived ctDNA fragments from plasma. Volition tested the new method in a first small clinical experiment and detected a range of liquid and other cancers, including at early stage I disease. For example, 74% of leukemias were detected at 96% specificity and 77% of colorectal cancers were detected at 92% specificity with 2-qPCR assays.

Notes:

1. 'A novel immunoprecipitation/PCR method for detection of plasma cfDNA fragments

selectively occupied by CTCF in cancer.' D Pamart et al. [ESMO 2023](#)

About Volition

Volition is a multi-national epigenetics company focused on advancing the science of epigenetics. Volition is dedicated to saving lives and improving outcomes for people and animals with life-altering diseases through earlier detection, as well as disease and treatment monitoring.

Through its subsidiaries, Volition is developing and commercializing simple, easy to use, cost-effective blood tests to help diagnose and monitor a range of diseases, including some cancers and diseases associated with NETosis, such as sepsis. Early diagnosis and monitoring have the potential to not only prolong the life of patients, but also improve their quality of life.

Volition's research and development activities are centered in Belgium, with an innovation laboratory and office in the U.S. and additional offices in London and Singapore.

The contents found at Volition's website address are not incorporated by reference into this document and should not be considered part of this document. Such website address is included in this document as an inactive textual reference only.

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Statements in this press release may be "forward-looking statements" within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended, that concern matters that involve risks and uncertainties that could cause actual results to differ materially from those anticipated or projected in the forward-looking statements. Words such as "expects," "anticipates," "intends," "plans," "aims," "targets," "believes," "seeks," "estimates," "optimizing," "potential," "goal," "suggests," "could," "would," "should," "may," "will" and similar expressions identify forward-looking statements. These forward-looking statements relate to, among other topics, Volition's estimated market opportunity, the effectiveness of Volition's blood-based diagnostic, prognostic and disease monitoring tests, and Volition's ability to develop and successfully commercialize such test platforms for early detection of cancer and other diseases as well as serving as a diagnostic, prognostic or disease monitoring tools for such diseases. Volition's actual results may differ materially from those indicated in these forward-looking statements due to numerous risks and uncertainties, including, without limitation, results of studies testing the efficacy of its tests. For instance, if Volition fails to develop and commercialize diagnostic, prognostic or disease monitoring products, it may be unable to execute its plan of operations. Other risks and uncertainties include Volition's failure to obtain necessary regulatory clearances or approvals to distribute and market future products; a failure by the marketplace to accept the products in Volition's development pipeline or any other

diagnostic, prognostic or disease monitoring products Volition might develop; Volition's failure to secure adequate intellectual property protection; Volition will face fierce competition and Volition's intended products may become obsolete due to the highly competitive nature of the diagnostics and disease monitoring market and its rapid technological change; downturns in domestic and foreign economies; and other risks identified in Volition's most recent Annual Report on Form 10-K and Quarterly Reports on Form 10-Q, as well as other documents that Volition files with the Securities and Exchange Commission. These statements are based on current expectations, estimates and projections about Volition's business based, in part, on assumptions made by management. These statements are not guarantees of future performance and involve risks, uncertainties and assumptions that are difficult to predict. Forward-looking statements are made as of the date of this release, and, except as required by law, Volition does not undertake an obligation to update its forward-looking statements to reflect future events or circumstances.

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