

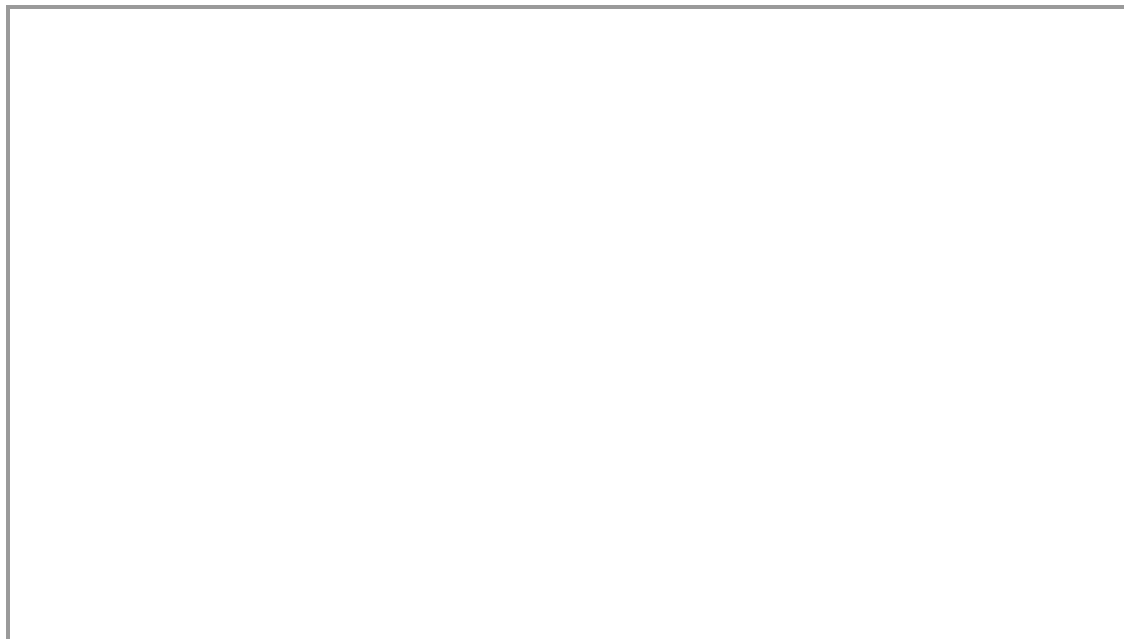
December 3, 2019



VolitionRx Limited Announces Proof of Concept Data in Lymphoma and Leukemia

Single pre-clinical Nu.Q™ assay demonstrates highest accuracy to date

AUSTIN, Texas, Dec. 3, 2019 /PRNewswire/ -- VolitionRx Limited (NYSE AMERICAN: VNRX) ("Volition") today announced results from its latest proof of concept study. A single pre-clinical Nu.Q™ assay utilizing a basic microtiter plate platform detected 80% of newly diagnosed Non-Hodgkins Lymphoma ("NHL") and Leukemia cases (mixture of Acute Lymphocytic Leukemia ("ALL") and Acute Myeloid Leukemia ("AML")) at 95% specificity among healthy subjects. The Area Under the Curve ("AUC") for this single assay was 91%. A number of other assays in development also demonstrated promising individual assay results with AUCs ranging from 79% to 91%.



Commenting on these results Dr. Jake Micallef, Chief Scientific Officer at Volition said, "This is a very exciting outcome as we continue the development of our assays beyond colorectal, lung and prostate cancer. We have previously announced results from both single assay and panels of Nu.Q™ biomarkers but the results of this discovery study are the best single Nu.Q™ assay result in any cancer we have demonstrated to date. We are delighted to report such promising results for Nu.Q™'s ability to detect a range of blood cancers in this small study.

The objective of this proof of concept study was to investigate a range of cancer conditions not previously studied for detection using Nu.Q™ assays and the results showed remarkable detection for all 3 blood cancers tested. The next steps are to evaluate these findings in independent larger clinical trials of symptomatic populations using Volition's automated

ELISA product platform whilst we also continue pre-analytics studies".

Dr. Jason Terrell, Chief Medical Officer at Volition said, "This is an important finding for us. These types of hematopoietic malignancies are difficult to diagnose. Symptoms are often vague and non-specific such as fatigue and recurrent infections and yet the definitive diagnostic tools of bone marrow or lymph node biopsy are invasive and can be expensive. There are over 700,000 new cases of NHL, ALL and AML diagnosed globally each year and approximately 415,000 deaths. Whilst clearly more studies need to be conducted, we hope that a routine blood test using our Nu.Q™ technology could lead to earlier diagnosis."

About the Study

Commercially obtained patient blood plasma samples were taken from 62 healthy volunteers (mean age 45 years) as well as approximately 300 patients previously diagnosed with bladder, bone, brain, esophageal, head and neck, melanoma, skin, uterine, or cervical cancers (mean age 56 years) and 54 subjects diagnosed with hematopoietic cancers (mean age 57 years).

For further details please contact mediarelations@volition.com.

About Volition

Volition is a multi-national life sciences company developing simple, easy to use, cost effective blood tests to help diagnose a range of cancers and other diseases. Early diagnosis has the potential to not only prolong the life of patients, but also to improve their quality of life. The tests are based on the science of Nucleosomics™, which is the practice of identifying and measuring nucleosomes in the bloodstream or other bodily fluid - an indication that disease is present. Volition is primarily focused on human diagnostics but also has a majority-owned subsidiary focused on animal diagnostics.

Volition's research and development activities are centered in Belgium, with additional offices in Texas, London and Singapore, as the company focuses on bringing its diagnostic products to market.

For more information about Volition, visit Volition's website (<http://www.volition.com>) or connect with us via:

Twitter: <https://twitter.com/volitionRx>

LinkedIn: <https://www.linkedin.com/company/volitionrx>

Facebook: <https://www.facebook.com/VolitionRx/>

YouTube: <https://www.youtube.com/user/VolitionRx>

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Safe Harbor Statement

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 the effectiveness of Volition's blood-based diagnostic tests as well as Volition's ability to develop and successfully commercialize such test platforms for early detection of cancer and other diseases. Volition's actual results may differ materially from those indicated in these forward-looking statements due to numerous risks and uncertainties. For instance, if Volition fails to develop and commercialize diagnostic 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 in the clinical IVD or the veterinary markets; a failure by the marketplace to accept the products in Volition's development pipeline or any other diagnostic 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 market and its rapid technological change; 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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