



Revive Therapeutics Provides Update on Research Study Evaluating Bucillamine for Nerve Agent Exposure

TORONTO, July 02, 2024 -- Revive Therapeutics Ltd. ("Revive" or the "Company") (OTCQB: RVVTF) (CSE: RVV) (FRANKFURT:31R), a specialty life sciences company focused on the research and development of therapeutics and diagnostics for infectious diseases, medical countermeasures, and rare disorders, announced today an update on the research study evaluating Bucillamine as a potential treatment for nerve agent exposure, in partnership with Defence R&D Canada – Suffield Research Centre ("DRDC"), an agency of the Canadian Department of National Defence. The DRDC is investigating pharmacological compounds, including Bucillamine, that can mitigate nerve agent induced brain injury. Control studies have been initiated and the DRDC expects to evaluate the data this month. Treatment studies will follow after the conclusion of the control group evaluation. The research study is expected to be completed in August 2024.

Nerve agents are chemicals that affect the nervous system. Nerve agents are highly toxic regardless of the route of exposure. The main chemical nerve agents that are man-made and manufactured for use in chemical warfare are sarin, soman, tabun and VX. These nerve agents are known to be present in military stockpiles. Exposure to nerve agents can occur due to chemical warfare or accidental release from a military storage facility. Exposure to nerve agents can cause tightness of the chest, excessive salivation, abdominal cramps, diarrhea, blurred vision, tremors, and death.

Recent studies have shown that antioxidant compounds such as n-acetylcysteine ("NAC") could be beneficial in limiting seizure activity and improving the anticonvulsant efficacy of GABA-mediating drugs such as diazepam.

Bucillamine is a significantly more effective antioxidant than NAC and has the potential to provide increased efficacy against seizure activity while limiting the anticoagulant and bleeding event liability observed with NAC. The overall objective of the research project is to investigate pharmacological means for neuroprotection of GABA(A) receptors, which are required for the effectiveness of currently fielded anticonvulsant therapies. Bucillamine and NAC will be evaluated to determine the effect on GABA(A) receptor endocytosis and the effect on diazepam effectiveness in terminating seizures. Any additional antioxidant effects on seizure activity and survival will also be assessed.

The results from this research study, if promising, will determine further studies to facilitate FDA and Health Canada approvals for the use of Bucillamine in nerve agents or organophosphate pesticide poisoning. Also, the Company may explore the potential of Bucillamine for traumatic brain injury caused by concussive or explosive forces.

About Revive Therapeutics Ltd.

Revive Therapeutics is a life sciences company focused on the research and development of therapeutics and diagnostics for infectious diseases, medical countermeasures, and rare disorders. Revive prioritizes its drug development efforts to take advantage of several regulatory incentives awarded by the FDA, such as Emergency Use Authorization, Orphan Drug, Fast Track, and Breakthrough Therapy designations. Currently, the Company is exploring the use of Bucillamine for the potential treatment of nerve agent exposure and long COVID. Revive is also advancing the development of Psilocybin-based therapeutics through various programs. For more information, visit www.ReviveThera.com.

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Neither the Canadian Securities Exchange nor its Regulation Services Provider has reviewed or accepts responsibility for the adequacy or accuracy of this release.

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is not obligated to update or revise any forward-looking information, whether as a result of new information, future events or otherwise, except as required by applicable securities laws. The foregoing statements expressly qualify any forward-looking information contained herein. Reference is made to the risk factors disclosed under the heading "Risk Factors" in the Company's management's discussion and analysis for the three and nine months ended March 31, 2024 ("MD&A"), dated May 28, 2024, which is available on the Company's profile at www.sedarplus.ca.