



xBxBio platform: White Paper

Gene therapy is a rapidly growing field of medicine that holds great promise for treating genetic disorders, cancers, and other diseases. Developing safe and effective gene therapies requires advanced bioanalytical techniques, including mass spectrometry for analyzing gene delivery vectors and their biodistribution. This white paper will explore using the xBxBio platform for gene therapy bioanalytical research.

The xBxBio platform is a powerful tool for gene therapy bioanalytical research, providing advanced mass spectrometry capabilities for analyzing gene delivery vectors and their distribution in vivo. The platform allows researchers to accurately measure the concentration of gene delivery vectors in biological samples and their distribution and clearance over time.

One of the key advantages of the xBxBio platform is its high sensitivity and specificity, which allows researchers to detect and quantify gene delivery vectors even at low concentrations. Particularly

COPYRIGHT STATEMENT Effective Date: March 01, 2023
xBxBio ("Ken Bean") hereby asserts its copyright ownership and rights over the intellectual property described below. This Copyright Statement is intended to inform the public of the Copyright Owner's rights and establish its position regarding protecting and enforcing its intellectual property.

Copyright Ownership: The Copyright Owner owns and retains all rights, title, and interest in and to the following intellectual property: xBxBio processes detailed in this document and others related. The intellectual property that is subject to copyright, such as written works, images, photographs, audio recordings, videos, software, etc.

Copyright Protection: The Copyright Owner's intellectual property is protected under international copyright laws and conventions, including but not limited to the Berne Convention for the Protection of Literary and Artistic Works and the Universal Copyright Convention. The Copyright Owner reserves all rights afforded under these laws and any other applicable laws.

Permissible Uses: Any use of the Copyright Owner's intellectual property requires prior written permission, except as expressly permitted by law. Permissible uses may include but are not limited to Personal, non-commercial use by individuals. Fair use as defined by applicable copyright laws. Uses specifically authorized by the Copyright Owner in writing. **Prohibited Uses:** The Copyright Owner strictly prohibits the following uses of its intellectual property without prior written permission: Reproduction, duplication, or distribution of the intellectual property in any form or medium. Modification, adaptation, or alteration of the intellectual property. Public display or performance of the intellectual property. Creation of derivative works based on intellectual property.

Enforcement: The Copyright Owner is committed to protecting its intellectual property rights and will take appropriate legal action against any unauthorized use or infringement. This may include seeking injunctive relief, damages, and attorney's fees.

Contact Information: For inquiries regarding the Copyright Owner's intellectual property or to request permission for any use not explicitly permitted under this Copyright Statement, please contact Kenneth Bean at ken@xBxBio.com.

Severability: If any provision of this Copyright Statement is deemed invalid or unenforceable, the remaining provisions shall remain in full force and effect. This Copyright Statement is not intended to limit any rights or remedies available to the Copyright Owner under applicable laws and does not constitute a waiver of any rights or claims. By accessing or using the Copyright Owner's intellectual property, individuals and entities agree to be bound by this Copyright Statement.

Kenneth Bean 01Mar2023 ©



important in gene therapy research, where accurate measurement of gene delivery vectors is critical for evaluating their efficacy and safety.

The xBxBio platform also offers a range of advanced data analysis tools, allowing researchers to interpret complex mass spectrometry data and gain insights into the biodistribution and pharmacokinetics of gene delivery vectors. This includes analyzing data from multiple time points and identifying and quantifying potential metabolites and other biomolecules that may affect the efficacy and safety of gene therapies.

Another advantage of the xBxBio platform is its flexibility, allowing it to be used with various gene delivery vectors, including viral vectors, non-viral vectors, and other gene therapy agents. This versatility makes the xBxBio platform an ideal tool for gene therapy research, as it is used to study a wide range of gene therapies for various diseases and conditions.

Overall, the xBxBio platform is a powerful tool for gene therapy bioanalytical research, offering advanced mass spectrometry capabilities for analyzing gene delivery vectors and their distribution in

COPYRIGHT STATEMENT Effective Date: March 01, 2023

xBxBio ("Ken Bean") hereby asserts its copyright ownership and rights over the intellectual property described below. This Copyright Statement is intended to inform the public of the Copyright Owner's rights and establish its position regarding protecting and enforcing its intellectual property.

Copyright Ownership: The Copyright Owner owns and retains all rights, title, and interest in and to the following intellectual property: xBxBio processes detailed in this document and others related. The intellectual property that is subject to copyright, such as written works, images, photographs, audio recordings, videos, software, etc.

Copyright Protection: The Copyright Owner's intellectual property is protected under international copyright laws and conventions, including but not limited to the Berne Convention for the Protection of Literary and Artistic Works and the Universal Copyright Convention. The Copyright Owner reserves all rights afforded under these laws and any other applicable laws.

Permissible Uses: Any use of the Copyright Owner's intellectual property requires prior written permission, except as expressly permitted by law. Permissible uses may include but are not limited to Personal, non-commercial use by individuals. Fair use as defined by applicable copyright laws. Uses specifically authorized by the Copyright Owner in writing. **Prohibited Uses:** The Copyright Owner strictly prohibits the following uses of its intellectual property without prior written permission: Reproduction, duplication, or distribution of the intellectual property in any form or medium. Modification, adaptation, or alteration of the intellectual property. Public display or performance of the intellectual property. Creation of derivative works based on intellectual property.

Enforcement: The Copyright Owner is committed to protecting its intellectual property rights and will take appropriate legal action against any unauthorized use or infringement. This may include seeking injunctive relief, damages, and attorney's fees.

Contact Information: For inquiries regarding the Copyright Owner's intellectual property or to request permission for any use not explicitly permitted under this Copyright Statement, please contact Kenneth Bean at ken@xBxBio.com

Severability: If any provision of this Copyright Statement is deemed invalid or unenforceable, the remaining provisions shall remain in full force and effect. This Copyright Statement is not intended to limit any rights or remedies available to the Copyright Owner under applicable laws and does not constitute a waiver of any rights or claims. By accessing or using the Copyright Owner's intellectual property, individuals and entities agree to be bound by this Copyright Statement.

Kenneth Bean 01Mar2023 ©



vivo. With its high sensitivity, advanced data analysis tools, and flexibility, the platform is well-suited to various applications in gene therapy, from basic research to drug discovery and development.

Scott Jeffers Sr. Scientist

COPYRIGHT STATEMENT Effective Date: March 01, 2023

xBxBio ("Ken Bean") hereby asserts its copyright ownership and rights over the intellectual property described below. This Copyright Statement is intended to inform the public of the Copyright Owner's rights and establish its position regarding protecting and enforcing its intellectual property.

Copyright Ownership: The Copyright Owner owns and retains all rights, title, and interest in and to the following intellectual property: xBxBio processes detailed in this document and others related. The intellectual property that is subject to copyright, such as written works, images, photographs, audio recordings, videos, software, etc.

Copyright Protection: The Copyright Owner's intellectual property is protected under international copyright laws and conventions, including but not limited to the Berne Convention for the Protection of Literary and Artistic Works and the Universal Copyright Convention. The Copyright Owner reserves all rights afforded under these laws and any other applicable laws.

Permissible Uses: Any use of the Copyright Owner's intellectual property requires prior written permission, except as expressly permitted by law. Permissible uses may include but are not limited to Personal, non-commercial use by individuals. Fair use as defined by applicable copyright laws. Uses specifically authorized by the Copyright Owner in writing. **Prohibited Uses:** The Copyright Owner strictly prohibits the following uses of its intellectual property without prior written permission: Reproduction, duplication, or distribution of the intellectual property in any form or medium. Modification, adaptation, or alteration of the intellectual property. Public display or performance of the intellectual property. Creation of derivative works based on intellectual property.

Enforcement: The Copyright Owner is committed to protecting its intellectual property rights and will take appropriate legal action against any unauthorized use or infringement. This may include seeking injunctive relief, damages, and attorney's fees.

Contact Information: For inquiries regarding the Copyright Owner's intellectual property or to request permission for any use not explicitly permitted under this Copyright Statement, please contact Kenneth Bean at ken@xBxBio.com.

Severability: If any provision of this Copyright Statement is deemed invalid or unenforceable, the remaining provisions shall remain in full force and effect. This Copyright Statement is not intended to limit any rights or remedies available to the Copyright Owner under applicable laws and does not constitute a waiver of any rights or claims. By accessing or using the Copyright Owner's intellectual property, individuals and entities agree to be bound by this Copyright Statement.

Kenneth Bean 01Mar2023 ©