Ease of a Prefilled Syringe with the Stability of a Lyophilized Drug

Innovative Delivery to Enhance Lyophilized Drugs
How does LyoTip™ Work?

- Container closure system is prefilled with a lyophilized drug.
- Screws to a prefilled diluent syringe and needle
- Immediate reconstitution as plunger is pushed
- Spiral chamber effectively reconstitutes and simultaneously injects drug.

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- User friendly design favored by patients or practitioners eliminates need for separate mixing steps
- Designed for use with existing fill/finish and lyophilization process
- May permit decreased use of cold chain handling
- Cost effective, highly valued differentiation for SC and IV lyophilized drugs
Flexible Configuration

- LyoTip™ is currently available in 1 ml and 0.2 ml sizes. Other sizes may be produced upon request.
- LyoTip™ can be used with subcutaneous and intramuscular injections, IV infusion, auto-injector, and oral administration.
- Because the final assembly is done by the user, the system can be adapted for diluent and needle type preferences.

Lyophilized Formulation Optimization

- As a leader in Biotech Formulation, IntegrityBio has delivered over 150 formulations for more than 100 companies.
- Existing or new lyo formulations can be optimized for stability, speed of reconstitution, or other attributes.
- Experience with antibody, proteins, vaccines, peptides, and other innovative molecules.

Preferred by Patients & Providers

- 3rd Party market study compared LyoTip™ to 4 other standard reconstitution and delivery methods.
- LyoTip™ was chosen as the best in ease of use, preparation speed, learning ease, portability, and economy.

Enhance the Value of Your Molecule

- Simple to implement as part of lifecycle management strategy
- Adds valued differentiation
- Lengthens patent protection
- Adapts to existing manufacturing
About Our Team

Led by founder Byeong Chang, PhD, the IntegrityBio and LyoTip team brings decades of combined industry experience to provide our customers with a level of confidence unparalleled in formulation development and contract manufacturing. Dr. Chang’s experience spans more than 20 years including 11 years with Amgen, Inc. The collective experience of the Integrity team includes formulation of many leading biotechnology drugs including Epogen®, Aranesp®, Rebif®, Kineret®, and Luveris®.

Feasibility Studies provide Quick Evaluation of LyoTip™ Delivery System

- We offer technical feasibility studies including lyophilized formulation optimization, LyoTip™ fill and finish, and stability studies.
- LyoTip™ intellectual property patents are issued and pending and available for licensing.

How Can the LyoTip Team Help You?

- We look forward to the opportunity of speaking with you to discuss how LyoTip can help you attain your company’s goals.
- Call (805)445-8422 in US, 82-42-864-1488 in Korea
- Email info@integritybio.com
  info@lyotip.com
- Website www.lyotip.com, www.lyotip.co.kr

LYOTIP Inc.
820 Calle Plano, Camarillo, CA 93012 USA

Korea
Migun Techno World #311 Yongsan-dong, 553 Yuseong-gu, Daejeon, Korea