

SCIENCE MEETS INNOVATION

GILYOS KEY TECHNOLOGIES

Manometric Temperature Measurement (MTM) and SMART Freeze Dryer™ Technology

ControlLy™ Nucleation On-Demand Technology

TEMPRIS® Wireless Temperature Sensors

LyoFlux® 200 TDLAS Water Vapor Mass Flow Monitor



GILYOS GMBH

Friedrich-Bergius-Ring 15
97076 Wuerzburg
Germany

Phone +49 (0)931 90705678
Fax +49 (0)931 90705679

eMail info@gilyos.com
Web www.gilyos.com

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GILYOS®
FREEZE DRYING EXPERTS

PHARMACEUTICAL & TECHNICAL CONSULTING FOR FREEZE DRYING



GILYOS offers true expert consultancy services in the field of pharmaceutical freeze drying. Examples include, but are not limited to:

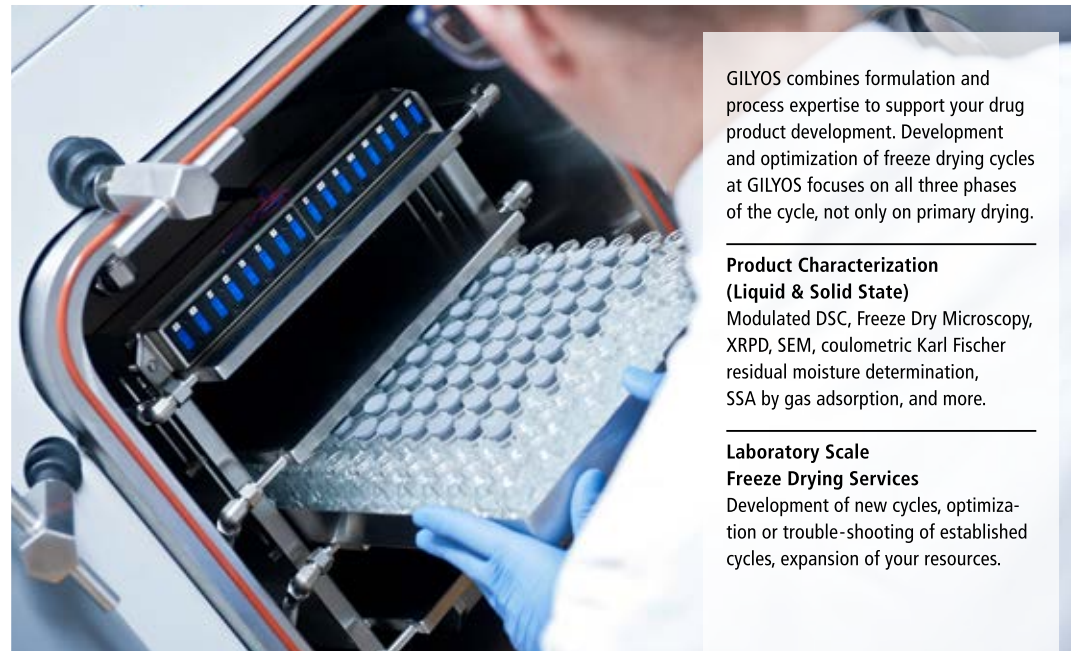
Pharmaceutical

Formulation science (small molecules, biologics, nanomaterials), new product developments (water or organic co-solvent based), primary packaging materials for freeze drying, process design & optimization (bulk, vials, PCR plates, syringes, etc.), troubleshooting established cycles, and more.

Technical

Assessment of equipment specifications prior to purchase, scale-up and technical transfer, implementation of PAT, performance testing of new equipment, validation.

FREEZE DRYING DEVELOPMENT SERVICES (FORMULATION & PROCESS)



GILYOS combines formulation and process expertise to support your drug product development. Development and optimization of freeze drying cycles at GILYOS focuses on all three phases of the cycle, not only on primary drying.

Product Characterization (Liquid & Solid State)

Modulated DSC, Freeze Dry Microscopy, XRPD, SEM, coulometric Karl Fischer residual moisture determination, SSA by gas adsorption, and more.

Laboratory Scale Freeze Drying Services

Development of new cycles, optimization or trouble-shooting of established cycles, expansion of your resources.

SEMINARS, WORKSHOPS & IN-HOUSE TRAINING



GILYOS as a company has dedicated itself to promoting freeze drying science. We at GILYOS also maintain an active in-house research program. On a regular basis we offer the opportunity to share some of our expertise. Our services include, for example:

Seminars & Training

In-house seminars at GILYOS or training at your facility.

Hands-On Workshops

Customized equipment training (freeze dryers, analytcs, etc.) in our laboratories or in your company.