

HOW CAN WE HELP?

1

CONTRACT RESEARCH IN FREEZE DRYING, SPRAY DRYING AND LIQUID FORMULATIONS

- Proof of concept studies
- Formulation development for liquid and dried products
- Process development
- Freeze drying design space
- Freeze drying trial cycles
- Development of freeze dryable spheres
- Product characterisation (pre- / post- freeze drying)
- Controlled nucleation
- Stability Studies
- Freeze drying vs Spray drying: comparative studies
- Dedicated cytotoxic suit

2

CONTRACT MANUFACTURING IN FREEZE DRYING

- Procurement of chemicals and consumables
- Compounding
- Freeze drying
- Packaging & Kitting
- QC analyses
- Dedicated on-site service and maintenance team
- Bespoke and non-standard formats catered for

3

CONSULTANCY IN FREEZE DRYING AND SPRAY DRYING

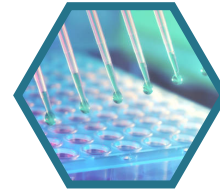
- Cycle audit and Risk assessment
- Technology transfer and scale up
- Desktop study
- Remote product and process development
- Troubleshooting assistance
- Process validation
- Regulatory support
- On-site and remote support

WHOM CAN WE HELP?



FOOD & NUTRACEUTICALS

Fruit & Vegetables
Meat & Fish
Beverages
Early life products
Food supplements



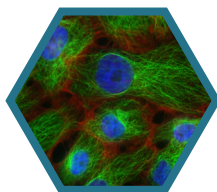
DIAGNOSTICS

PCR and LAMP products
Antibody tests
Fluorescent probes
Mastermixes



PHARMACEUTICALS

Small molecules
Proteins
Cytotoxic compounds
Vaccines
Antibodies
Antibiotics
Conjugated compounds



BIOTECH

Collagen
Hydrocolloids
Liposomes/Exosomes
Human tissues
Cells and bacteria



MATERIALS

Stopper & Vials
Well plates

WHY CHOOSE BIOPHARMA GROUP?



PROCUREMENT

- Contractual Flexibility ✓
- Access to Biopharma Group's Services / Instrument Training at Premium Price ✓
- Long-term Strategic Choice ✓



EXPERTISE

- R&D and Troubleshooting (15+ Freeze Drying Specialists & Scientist) ✓
- Cycle Audit and Regulatory Support ✓
- New Product Development ✓
- Innovative Process Research ✓
- Variable and Phased Scale Production ✓
- Shortcut to Market Access ✓
- Corporate Training Courses ✓
- Design and Development of Proprietary Analytical Technology ✓
- In-house Engineering Service ✓
- End-to-End Process Support ✓



CUSTOMER SERVICE

- Local Support ✓
- Fast Tracking ✓
- Change Request: Flexibility and Speed ✓
- Dedicated Project and Account Managers ✓

VISIT OUR WEBSITE:

www.intelligentfreeze drying.com

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