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16th ANNUAL REPORT AND SURVEY OF BIOPHARMACEUTICAL MANUFACTURING

This report's 485 pages of data-rich analysis will help improve your decision-making in biomanufacturing operations, with in-depth analysis of capacity, production trends, benchmarks, and more!

The 2019 16th Annual Report and Survey of Biopharmaceutical Manufacturing Capacity and Production is the most recent study of biotherapeutic developers and contract manufacturing organizations' current and projected future capacity and production.

"The Bioplan Annual Report and Survey is and has always been a must-read, as it is the most comprehensive survey and result analysis to determine trends, requirements and new demand of the biopharmaceutical industry.

—Maik Jornitz, President, G-Con, LLC

Compare 221 biotherapeutic developers vs CMOs; US vs European & Global Biomanufacturing

- 221 Biopharma companies surveyed
- 120 industry vendors and direct suppliers of materials
- 24 countries represented
- 485 pages
- 13 Chapters
- 200+ Graphs and 28 Tables
- Subject Matter Experts providing analysis
- Independent Sponsoring Organizations

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COVERAGE

- Current and Future trends affecting the bio-industry
- 16 years of growth trends in bioprocessing platforms, technologies
- Outsourcing and growth in China's biopharma segment
- Industry expert monographs covering key issues
- In-depth analysis of key data, capacity, production trends, and benchmarks
- Budget trends and impact of current economic environment
- Downstream purification problems and issues
- Current and projected industry bottlenecks
- Capacity utilization and current production levels
- Production trends and outsourcing trends
- International offshoring, current and future trends
- Range of titers, growth
- Disposables: Spending growth; downstream uses; L&E's; reasons for increasing/restricting; budget increases; vendor satisfaction
- Expression system advances
- Batch failure rates & trends
- Selecting a CMO — Problems & solutions
- Hiring and employment growth
- Supplier growth rates
- Much more...

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—**Jeff Hargroves, President, ProPharma Group**

"BioPlan Associates Annual Reports are a valuable independent resource for monitoring drug manufacturing activities, trends and future needs."

—**Jerrold Martin, Global Industry Consultant, Former VP Pall Life Sciences**

"I have found each BioPlan Associates "Annual Report and Survey of Biopharmaceutical Manufacturing Capacity and Production" to be particularly useful in my work. As managing editor for BioProcessing Journal, I refer to my print copies of the biomufacturing survey reports regularly when recruiting and editing manuscripts. They are valuable components of my journal production "toolkit."

—**Marci J. Brown, Managing Editor, BioProcessing Journal**

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