

# *A History of High Throughput Screening for Drug Discovery*

A Special Report Summarizing Six Comprehensive Industry Studies

1998 - 2005

Presented by

**HighTech Business Decisions**

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## FORWARD AND ACKNOWLEDGMENTS

HighTech Business Decisions (HTBD) has conducted six market research studies and published six comprehensive industry reports on high throughput screening (HTS) since 1998. This report is specifically designed to understand the changes that have occurred in HTS since 1998, how accurate HTS directors have been in forecasting and predicting their use of technology and future needs, how HTS practices have evolved, and the success of HTS as a drug discovery tool. Topics include the number of disease targets screened, target types, assay types, detection modes, microplate formats, outsourcing, and other issues impacting HTS operations and success. The complete analysis, based on both user and supplier primary research, includes market size and growth, major players, user strategies and requirements, documentation of success in drug discovery, trends and technologies, and respondents' perceptions regarding the future of HTS.

This report is a summary analysis based on in-depth interviews with 556 respondents that were conducted by HTBD's PhD-level analysts from 1998 to 2005. In-depth data collected from both users (HTS directors at pharmaceutical and biotechnology companies worldwide) and suppliers (business development directors at HTS tool companies) for all six reports allow for an objective and thorough analysis.

We thank these respondents from pharmaceutical, biotechnology, and tool companies who took the time to share their insights, opinions, current practices, and future plans with us. We thank our sponsoring companies, who supported these past projects with their ideas, suggested topics, and funding.

Sponsoring companies of past reports are, in alphabetical order, as follows:

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| Amersham Biosciences, Ltd. | Kalypsys, Inc.                             |
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| Hewlett Packard, Co.       | Tecan AG                                   |
| Invitrogen Corp.           | Vitra Bioscience, Inc.                     |

We hope that our clients obtain significant value from this historical report to help ensure the success of their future business.

Sandra J. Fox, MBA

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HighTech Business Decisions has exercised due care in compiling this report, which is based on publicly available information as well as information submitted by individual companies during the course of six industry studies conducted from 1998 to 2005. The publishers have taken due care to ensure the accuracy of this information, but shall not be held liable for any consequential damages arising from the material in this report.

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