

Biosearch Technologies Incorporated

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Since the early 80s, innovators at Biosearch have been creating oligonucleotide probe tools to accelerate the discovery and application of genomic information. Our demonstrated expertise in the design and manufacture of fluorogenic probes and reagents for DNA synthesis is complemented by our unmatched selection of fluorescence-quenched probe capabilities. Such probes are a primary focus for us because they are essential for:

Pharmacogenomic research

Gene quantitation and analysis

SNP detection

Gene expression analysis

Recently, we developed a group of proprietary dyes for fluorescence quenching called Black Hole Quencher[®] (BHQ[®] dyes) which allow the design of simpler, more effective probes. Additionally, BHQ probes facilitate multiplexing of 3 or more probes in a single assay.

Our extensive line of specialty amidites and supports are a priority at Biosearch. We manufacture the dyes and many of the raw materials we use, such as our extensive line of high quality specialty amidites and supports. Our history with instrumentation has enabled development of our own synthesis and purification robots.

Recent Publications by Biosearch Technologies Incorporated:



- [3'-modified oligonucleotides and their conjugates.](#)
Solid-phase synthesis of 3'-aminoalkyl, 3'-thioalkyl, and... 10th May, 2008
Biosearch Technologies, Inc., Novato, California, USA.- *Curr Protoc Nucleic Acid Chem.* 2001 May;Chapter 4:Unit 4.6. ([DOI Direct Link](#))
- [Synthesis and properties of phosphonic acid containing cyanine and squaraine dyes for use as](#)

[fluorescent labels.](#)

*Cyanine and squaraine dyes that contain one or two phosphonate groups...*24th January, 2008
Biosearch Technologies- Bioconjug Chem. 2007 Nov-Dec;18(6):2178-90. Epub 2007 Oct 11. ([DOI Direct Link](#))

- [Choosing reporter-quencher pairs for efficient quenching through formation of intramolecular dimers.](#)
*Fluorescent energy transfer within dual-labeled oligonucleotide probes is...*12th October, 2007
Biosearch Technologies, Novato, CA, USA.- Methods Mol Biol. 2006;335:17-29. ([DOI Direct Link](#))
- [Time gating improves sensitivity in energy transfer assays with terbium chelate/dark quencher oligonucleotide probes.](#)
*Lanthanides are attractive as biolabels because their long luminescence...*1st March, 2005
Biosearch Technologies, 81 Digital Drive, Novato, California 94949, USA.- J Am Chem Soc. 2004 Dec 22;126(50):16451-5. ([DOI Direct Link](#))
- [Intramolecular dimers: a new design strategy for fluorescence-quenched probes.](#)
*Fluorogenic probes dual-labeled with reporter and quencher dyes use a...*27th September, 2003
Biosearch Technologies, 81 Digital Drive, Novato, CA 94949, USA.- Chemistry. 2003 Aug 4;9(15):3466-71. ([DOI Direct Link](#))
- [Evaluation of new linkers and synthetic methods for internal modified oligonucleotides.](#)
*Several fluorescence resonance energy transfer (FRET) oligonucleotide...*17th June, 2003
Biosearch Technologies, Inc., 81 Digital Drive, Novato, California 94949,- Bioconjug Chem. 2002 Sep-Oct;13(5):1155-8.
- [New reagents and methods for the synthesis of internal and 3'-labeled DNA.](#)
*The syntheses of two new nucleoside phosphoramidites containing a hydroxyl...*17th June, 2003
Biosearch Technologies, Inc., 81 Digital Drive, Novato, California 94949,- Bioconjug Chem. 2002 Sep-Oct;13(5):1146-54.
- [Matrix assisted synthetic transformations: a mosaic of diverse contributions. I. The pattern emerges.](#)
*5-Carboxy Tamra 1 was conjugated to 4-hydroxypiperidine with BOP and...*25th April, 2000
Biosearch Technologies, Inc., Novato, California 94949, USA.- J Comb Chem. 1999 Sep-Oct;1(5):333-60.
- [Matrix assisted synthetic transformations: a mosaic of diverse contributions. II. The pattern is completed.](#)
*5-Carboxy Tamra 1 was conjugated to 4-hydroxypiperidine with BOP and...*25th April, 2000
Biosearch Technologies, Inc., Novato, California 94949, USA.- J Comb Chem. 1999 Nov-Dec;1(6):403-57.

Press Releases on Biosearch Technologies Incorporated:

[H1N1 Pandemic May Have Peaked in October in U.S., According to Quest Diagnostics](#)

20th November, 2009

Quest Diagnostics Incorporated

-- Rates of positive test results for the pandemic have declined in recent weeks in most regions, with the exception of the Northeast, where rates have more than doubled during

NEW YORK, Nov. 20

/PRNewswire/ -- Reportlinker.com announces that a new market research report is available in its catalogue. Medical Adhesives and Sealants - A US Market Review <http://www>

[Reportlinker Adds Medical Adhesives and Sealants - A US Market Review](#)

20th November, 2009

Reportlinker

Reportlinker Adds Imaging Agents - A Worldwide Market Review	20th November, 2009	Reportlinker	NEW YORK, Nov. 20 /PRNewswire/ -- Reportlinker.com announces that a new market research report is available in its catalogue. <i>Imaging Agents - A Worldwide Market Review</i>
Cardinal Health, Patient Safety Technologies Enter Into Exclusive Distribution Agreement For SurgiCount(TM) Surgical Safety Products	20th November, 2009	Cardinal Health, Inc.	DUBLIN, Ohio and TEMECULA, Calif., Nov. 20 /PRNewswire-FirstCall/ -- Cardinal Health and Patient Safety Technologies today announced that they have entered into a five-year exclusive distribution
New Hair Data Validate Sharp Downward Trend in Cocaine and Methamphetamine Positivity in General U.S. Workforce, According to Quest Diagnostics Drug Testing Index(TM)	20th November, 2009	Quest Diagnostics Incorporated	MADISON, N.J., Nov. 20 /PRNewswire-FirstCall/ -- New data released today by Quest Diagnostics Incorporated (NYSE: DGX), the nation's leading provider of employment-related drug testing services,

BioNews Results for Biosearch Technologies Incorporated



- [Biosearch Technologies Licenses H1N1 Flu IP from CDC](#)
BioFind: Nov 4 2009 7:41PM Matching: biosearch technologies
- [Micronics Acquires License to Biosearch Technologies' Nucleic Acid Assay Chemistries](#)
Pharma Live: Oct 30 2009 9:45PM Matching: biosearch technologies
- [Biosearch Grants Micronics Rights to Its Nucleic Acid Assay Chemistries](#)
Genetic Engineering News: Oct 29 2009 7:42AM Matching: biosearch technologies
- [Micronics Acquires License to Biosearch Technologies Nucleic Acid Assay Chemistries](#)
Genetic Engineering News: Oct 28 2009 1:32PM Matching: biosearch technologies
- [Micronics inks license agreement with Biosearch Technologies](#)
News-Medical.Net: Oct 28 2009 12:51PM Matching: biosearch technologies
- [Biosearch Grants Micronics Rights to Its Nucleic Acid Assay Chemistries](#)
BioFind: Oct 28 2009 7:25PM Matching: biosearch technologies
- [Micronics Acquires License to Biosearch Technologies Nucleic Acid Assay Chemistries](#)
Yahoo! Canada: Oct 28 2009 3:07PM Matching: biosearch technologies
- [Biosearch Technologies, Inc. Selected For SBIR Grants Issued By The DoD For Disease Detection](#)
BioSpace: Oct 8 2009 11:47PM Matching: biosearch technologies
- [Biosearch selected again - DoD grants this time](#)
BioFind: Oct 9 2009 1:26AM Matching: biosearch technologies



Biosearch Technologies Incorporated Patents:

- 7582432- [Dark quenchers for donor-acceptor energy transfer](#)
- 7344701- [Xanthene dyes](#)
- 7109312- [Dark quenchers for donor-acceptor energy transfer](#)
- 7019129- [Dark quenchers for donor-acceptor energy transfer](#)
- 6761855- [Column for solid phase processing](#)
- 6696298- [Multi-channel reagent dispensing apparatus](#)
- 5688940- [Linker for immobilization, modification and subsequent release of oligomers with a terminal hydroxyl group](#)

BioCorporate Profiles - upgrade to a full profile

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- the ability to amend and add information on products and services to your profile using a membership username and password
- the option to add a corporate logo
- the creation of high value URL links back to your organization's website which will improve search engine ranking - resulting in increased site traffic
- the option have your press releases published on BioPortfolio and distributed via our BioNewsCast service
- an enhanced BioCorporate profile will also improve your exposure on BioPortfolio's related service InDepth and GeneDB

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