

Ambion Incorporated

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Contact Details:

2130 Woodward Street

Austin

TX

78744

United States of America

Tel: 512 445 6979

Fax: 512 445 7139

Email:

Recent Publications by Ambion Incorporated:



- [Synthesis and application of a new 2',3'-isopropylidene guanosine substituted cap analog.](#)
*The synthesis and biological evaluation of a new cap analog, which is...*28th October, 2008
Ambion, Inc., An Applied Biosystems Business, Bioorganic Chemistry- Bioorg Med Chem Lett. 2008 Sep 1;18(17):4828-32. Epub 2008 Jul 24. ([DOI Direct Link](#))
- [LNA incorporated siRNAs exhibit lower off-target effects compared to 2'-OMethoxy in cell phenotypic assays and microarray analysis.](#)
*Despite the promise of short interfering RNAs (siRNA), contending with...*9th September, 2008
Ambion Inc., An Applied Biosystems Business, 2130 Woodward Street, Austin,- Nucleic Acids Symp Ser (Oxf). 2008;(52):25-6. ([DOI Direct Link](#))
- [RNA analysis by nuclease protection.](#)
*Nuclease protection assays (S1 nuclease protection and RNase protection)...*13th May, 2008
Ambion, Inc., Austin, Texas, USA.- Curr Protoc Neurosci. 2003 Aug;Chapter 5:Unit 5.1. ([DOI Direct Link](#))
- [A step-by-step procedure to analyze the efficacy of siRNA using real-time PCR.](#)
*Knockdown of cellular RNA using short interfering RNA has enabled...*3rd May, 2008
Ambion, Applied Biosystems Inc., Austin, TX, USA.- Methods Mol Biol. 2008;419:303-16. ([DOI Direct Link](#))
- [Chemical Synthesis of LNA-mCTP and its application for MicroRNA detection.](#)
*Locked nucleic acids (LNA) are being applied in hybridization studies, but...*15th April, 2008
An Applied Biosystems Business, Bioorganic Chemistry Division, Ambion,- Nucleosides Nucleotides Nucleic Acids. 2008 Jan;27(1):1-17. ([DOI Direct Link](#))

- [Novel FRET-based assay to detect reverse transcriptase activity using modified dUTP analogues.](#)
*We have developed a novel continuous assay to measure reverse...*4th April, 2008
Ambion/Applied Biosystems, Research and Development Department, 2130- Bioconjug Chem. 2008 Jan;19(1):185-91. Epub 2007 Dec 29. ([DOI Direct Link](#))
- [Synthesis and biological evaluation of trimethyl-substituted cap analogs.](#)
*The N(7)-methyl guanosine cap located on the 5'-terminus of mRNAs is...*25th March, 2008
Ambion, Inc., An Applied Biosystems Business, Bioorganic Chemistry- Bioorg Med Chem Lett. 2008 Feb 1;18(3):880-4. Epub 2008 Jan 4. ([DOI Direct Link](#))
- [An industrial process for selective synthesis of 7-methyl guanosine 5'-diphosphate: versatile synthon for synthesis of mRNA cap analogues.](#)
*We report an industrial scale facile synthesis of 7-methyl guanosine...*2nd February, 2008
Ambion, Inc., Bioorganic Chemistry Division, 2130 Woodward St., Austin, TX- Nucleosides Nucleotides Nucleic Acids. 2006 Mar;25(3):337-40.
- [An efficient process for synthesis of 2'-O-methyl and 3'-O-methyl guanosine from 2-aminoadenosine using diazomethane and the catalyst stannous chloride.](#)
*An improved strategy for the selective synthesis of 2'-O-methyl and...*2nd February, 2008
Ambion, Inc., Bioorganic Chemistry Division, Austin, Texas 78744, USA.- Nucleosides Nucleotides Nucleic Acids. 2006 Mar;25(3):307-14.
- [Synthesis and application of 2'-fluoro-substituted cap analogs.](#)
*Design, synthesis, and biological evaluation of 2'-fluoro-substituted cap...*6th December, 2007
Ambion Inc., An Applied Biosystems Business, Bioorganic Chemistry- Bioorg Med Chem Lett. 2007 Oct 1;17(19):5295-9. Epub 2007 Aug 16. ([DOI Direct Link](#))
- [New tissue microarray technology for analyses of gene expression in frozen pathological samples.](#)
*Tissue microarrays (TMAs) are widely used to analyze gene expression in...*31st August, 2007
Ambion, Inc., Austin, TX , USA.- Biotechniques. 2007 Jul;43(1):101-5.
- [Adoption of array technologies into the clinical laboratory.](#)
*Array-based methods are making substantial contributions to the discovery...*3rd February, 2007
Ambion Diagnostics, 2130 Woodward Street, Austin, TX 78744, USA.- Expert Rev Mol Diagn. 2005 May;5(3):409-20. ([DOI Direct Link](#))
- [Role of miRNA and miRNA processing factors in development and disease.](#)
*Mature microRNAs (miRNAs) are single-stranded RNA molecules of 17-24...*9th September, 2006
Ambion, Inc., an Applied Biosystems Business, Austin, 78744, USA.- Birth Defects Res C Embryo Today. 2006 Jun;78(2):107-17. ([DOI Direct Link](#))
- [Systematic identification of microRNA functions by combining target prediction and expression profiling.](#)
*Target predictions and validations are major obstacles facing microRNA...*6th April, 2006
Ambion, Inc., 2130 Woodward Street, Austin, TX 78744, USA.- Nucleic Acids Res. 2006 Mar 20;34(5):1646-52. Print 2006. ([DOI Direct Link](#))
- [An optimized isolation and labeling platform for accurate microRNA expression profiling.](#)
*MicroRNAs (miRNAs) are small, noncoding RNAs that regulate gene expression...*8th October, 2005
Ambion, Inc., 2130 Woodward Street, Austin, TX 78744-1832, USA.- RNA. 2005 Sep;11(9):1461-70. Epub 2005 Jul 25. ([DOI Direct Link](#))

Press Releases on Ambion 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 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,
Spherix Announces the Closing of \$6.3 Million Registered Direct Offering	19th November, 2009	Spherix Incorporated	BETHESDA, Md., Nov. 19 /PRNewswire-FirstCall/ -- Spherix Incorporated (Nasdaq: SPEX), an innovator in biotechnology for diabetes therapy, and a provider of technical and regulatory consulting -- Robert J. Vander Zanden, Ph.D., former Vice President, R&D, Kraft Foods International In addition, Grant Thornton LLP was ratified as the Company's independent accountants
Spherix Announces Results of Annual Shareholders Meeting	19th November, 2009	Spherix Incorporated	ROCKVILLE, Md., Nov. 19 /PRNewswire/ -- There is no greater love than the adoration you receive from man's best friend. This holiday season, return the love by gifting your four legged friend
Give Your Pooch the Gift of Wisdom This Holiday	19th November, 2009	Mars Veterinary	

BioNews Results for Ambion Incorporated



- [Mirna Therapeutics names Lammers CEO](#)
Austin Business Journal: Nov 13 2009 7:48PM Matching: ambion
- [Mirna Therapeutics Appoints Dr. Paul Lammers as President and CEO](#)
Yahoo! Canada: Nov 12 2009 4:25PM Matching: ambion
- [Mirna Therapeutics Appoints Dr. Paul Lammers as President and CEO](#)
Genetic Engineering News: Nov 12 2009 2:39PM Matching: ambion
- [NIH grants over \\$3.8 million to Asuragen](#)
News-Medical.Net: Oct 8 2009 4:48AM Matching: ambion
- [Asuragen Awarded More Than \\$3.8 Million in New NIH Small Business Grants](#)
Genetic Engineering News: Oct 7 2009 6:32PM Matching: ambion



Ambion Incorporated Patents:

- 7250270- [Methods and compositions for preparing tissue samples for RNA extraction](#)
- 6399307- [Methods of quantifying viral load in an animal with a ribonuclease resistant RNA preparation](#)
- 6365731- [Stripping nucleic acids with iodine and sodium thiosulfate](#)
- 6204375- [Methods and reagents for preserving RNA in cell and tissue samples](#)
- 6057134- [Modulating the efficiency of nucleic acid amplification reactions with 3' modified oligonucleotides](#)
- 5939262- [Ribonuclease resistant RNA preparation and utilization](#)
- 5919625- [Ribonuclease resistant viral RNA standards](#)
- 5891629- [Compositions for improving RNase cleavage of base pair mismatches in double-stranded nucleic acids](#)
- 5677124- [Ribonuclease resistant viral RNA standards](#)
- 5589329- [Methods and compositions for detecting base pair mismatches](#)
- 5547862- [Vectors containing multiple promoters in the same orientation](#)
- 5422241- [Methods for the recovery of nucleic acids from reaction mixtures](#)
- 6528641- [Methods and reagents for preserving RNA in cell and tissue samples](#)
- 6586218- [Compositions and methods for increasing the yields of in vitro RNA transcription and other polynucleotide synthetic reactions](#)
- 7163793- [Nuclease inhibitor cocktail](#)
- 7067298- [Compositions and methods of using a synthetic Dnase I](#)
- 7033749- [Ribonuclease resistant RNA preparation and utilization](#)
- 6994963- [Methods for recombinatorial nucleic acid synthesis](#)
- 6897069- [System and method for electroporating a sample](#)
- 6891032- [Methods and compositions for stripping nucleic acids](#)
- 6825340- [Methods and reagents for inactivating ribonucleases](#)
- 6812341- [High efficiency mRNA isolation methods and compositions](#)
- 6777210- [Method and reagents for inactivating ribonucleases RNase A, RNase I and RNase T1](#)
- 6664379- [Nuclease inhibitor cocktail](#)
- 6586219- [Compositions and methods for increasing the yields of the in vitro RNA transcription and other polynucleotide synthetic reactions](#)
- 5256555- [Compositions and methods for increasing the yields of in vitro RNA transcription and other polynucleotide synthetic reactions](#)

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Send comments and feedback to:

Peter Barfoot Managing Director, BioPortfolio Ltd.

UK Tel: (+44) 1300 321501

USA Voicemail and Fax: (+1) 415 680 2472

[Peter Barfoot peter.barfoot@bioportfolio.com](mailto:peter.barfoot@bioportfolio.com)

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