**Title:** Enhancement of Lateral Flow Assay Performance by Electromagnetic Relocation of Reporter Particles  
**Year:** 2018  
**Journal:** PloS ONE  
**Authors:** Jacinto MJ, Trabuco JRC, Vu BV, Garvey G, Khodaday M, Azevedo AM, Aires-Barros, Chang L, Kouri Tzi K, Litvinov D, Willson RC  
**Institution Affiliations:** University of Houston; Universidade de Lisboa  
**Reference:** PloS ONE. 2018. 13(1). e0186782. https://doi.org/10.1371/journal.pone.0186782  
#Automated Lateral Flow Reagent Dispenser (ALFRD)™

**Title:** Mitigating the Hook Effect in Lateral Flow Sandwich Immunoassays using Real-time Reaction Kinetics  
**Year:** 2017  
**Journal:** Analytical Chemistry  
**Authors:** Rey EG, O’Dell D, Mehta S, Erickson D  
**Institution Affiliations:** Cornell University  
**Reference:** Analytical Chemistry. 2017. 89(9): 5095-5100. doi: 10.1021/acs.analchem.7b00638  
#Automated Lateral Flow Reagent Dispenser (ALFRD)™

**Title:** Towards a Point-of-Care strip Test to Diagnose Sickle Cell Anemia  
**Year:** 2017  
**Journal:** PloS One  
**Authors:** Bond M, Hunt B, Flynn B, Huhtinen P, Ware R, Richards-Kortum R  
**Institution Affiliations:** Rice University; PerkinElmer; Cincinnati Children’s Hospital Medical Center  
#Automated Lateral Flow Reagent Dispenser (ALFRD)™

**Title:** Mitigating the Hook Effect in Lateral Flow Sandwich Immunoassays using Real-time Reaction Kinetics  
**Year:** 2017  
**Journal:** Analytical Chemistry  
**Authors:** Rey EG, O’Dell D, Mehta S, Erickson D  
**Institution Affiliations:** Cornell University  
**Reference:** Analytical Chemistry. 2017. 89(9): 5095-5100. doi: 10.1021/acs.analchem.7b00638  
#Automated Lateral Flow Reagent Dispenser (ALFRD)™

**Title:** A Low-cost Smartphone-based Platform for Highly Sensitive Point-of-Care Testing with Persistent Luminescent Phosphors  
**Year:** 2017  
**Journal:** Lab on a Chip  
**Authors:** Paterson AS, Raja B, Mandadi V, Townsend B, Lee M, Buell A, Vu B, Brgoch J, Willson JR  
**Institution Affiliations:** University of Houston; Luminostics, Inc.  
**Reference:** Lab on a Chip. 2017. DOI: 10.1039/C6LC01167E  
#Automated Lateral Flow Reagent Dispenser (ALFRD)™

---

**Title:** Thermal Lysis and Isothermal Amplification of Mycobacterium tuberculosis H37Rv in One Tube  
**Year:** 2017  
**Journal:** Journal of Microbiological Methods  
**Authors:** Shetty P, Ghosh D, Paul D  
**Institution Affiliations:** Indian Institute of Technology Mumbai  
#PureLyse® Bacterial gDNA Purification Kits

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**Title:** Microgravity validation of a novel system for RNA isolation and multiplex quantitative real-time PCR analysis of gene expression on the International Space Station  
**Year:** 2017  
**Publication:** PloS ONE  
**Institution Affiliations:** NASA Ames; KBRWyle; Millenium Engineering & Integration Co.; Universities Space Research Association; Claremont BioSolutions, LLC; Stanford University  
**Reference:** PloS ONE. 2017. 12(9): e0183480. Sept. 6, 2017. 10.1371/journal.pone.0183480  
#Automated Lateral Flow Reagent Dispenser (ALFRD)™
Title: **Nucleic Acid Extraction from Synthetic Mars Analog Soils for in situ Life Detection**  
*Year*: 2017  
*Journal*: Astrobiology  
*Authors*: Mojarro A, Ruvkun G, Zuber MT, Carr CE  
*Institution Affiliations*: Massachusetts Institute of Technology; Massachusetts General Hospital; Harvard Medical School  
#PureLyse® Bacterial gDNA Purification Kits

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Title: **IronPhone: Mobile Device-Coupled Point-of-Care Diagnostics for Assessment of Iron Status by Quantification of Serum Ferritin**  
*Year*: 2017  
*Journal*: Biosensors and Bioelectronics  
*Authors*: Srinivasan B, O’Dell D, Finkelstein JL, Lee S, Erickson D, Mehta S  
*Institution Affiliations*: Cornell University  
https://doi.org/10.1016/j.bios.2017.07.038  
#Automated Lateral Flow Reagent Dispenser (ALFRD)™

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Title: **Mobile Nucleic Acid Amplification Testing (mobiNAAT) for Chlamydia Trachomatis Screening in Hospital Emergency Department Settings**  
*Year*: 2017  
*Journal*: Nature Scientific Reports  
*Institution Affiliations*: Johns Hopkins University  
*Reference*: *Nature Scientific Reports*. 2017. 7:4495. doi:10.1038/s41598-017-04781-8  
#OmniLyse® Lysis Kits

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Title: **Toward In Situ Sequencing for Life Detection**  
*Year*: 2017  
*Journal*: IEEE Aerospace  
*Institution Affiliations*: Massachusetts Institute of Technology; Claremont BioSolutions, LLC; Harvard Medical School; Massachusetts General Hospital  
#Custom Sample Preparation Device / #OmniLyse® Lysis Kits

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Title: **Toward Biotechnology in Space: High-throughput Instruments for In Situ Biological Research Beyond Earth**  
*Year*: 2017  
*Journal*: Biotechnology Advances  
*Authors*: Karouia F, Peyvan K, Pohorille A  
*Institution Affiliations*: University of California San Francisco; NASA Ames Research Center; Peyvan Systems Inc.  
#OmniLyse® Lysis Kits

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Title: **A Highly Multiplexed and Sensitive RNA-seq Protocol for Simultaneous Analysis of Host and Pathogen Transcriptomes**  
*Year*: 2016  
*Journal*: Nature Protocols  
*Institution Affiliations*: Broad Institute of MIT and Harvard; Harvard Medical School; Massachusetts General Hospital  
#OmniLyse® Lysis Kits
Title: **Pilot Study of a Rapid and Minimally Instrumented Sputum Sample Preparation Method for Molecular Diagnosis of Tuberculosis**  
**Year:** 2016  
**Journal:** Nature Scientific Reports  
**Authors:** Ferguson TM, Weigel KM, Becker AL, Ontengco D, Narita M, Tolstorukov I, Doebler R, Cangelosi GA, Niemz A  
**Institution Affiliations:** University of Washington; Seattle Biomedical Research Institute; University of Santo Tomas; Keck Graduate Institute; Claremont BioSolutions, LLC  
**Reference:** Nature Scientific Reports. 2016. Jan 20; 6:19541. doi:10.1038/srep19541
#PureLyse® Bacterial gDNA Purification Kits

Title: **NutriPhone: A Mobile Platform for Low-Cost Point-of-Care Quantification of Vitamin B12 Concentrations**  
**Year:** 2016  
**Journal:** Nature Scientific Reports  
**Authors:** Lee S, O’Dell D, Hohenstein J, Colt S, Mehta S, Erickson D  
**Institution Affiliations:** Cornell University  
#Automated Lateral Flow Reagent Dispenser (ALFRD)™

Title: **Combinatorial Codon Scrambling Enables Scalable Gene Synthesis and Amplification of Repetitive Proteins**  
**Year:** 2016  
**Publication:** Nature Materials  
**Authors:** Tang NC, Chilkoti A  
**Institution Affiliations:** Duke University  
**Reference:** Nature Materials. 2016. 15. 419-424. doi: 10.1038/NMAT4521
#HisExpress™ His-tagged Protein Purification Columns

Title: **Two-Color Lateral Flow Assay for Multiplex Detection of Causative Agents Behind Acute Febrile Illnesses**  
**Year:** 2016  
**Publication:** Analytical Chemistry  
**Authors:** Lee S, Mehta S, Erickson D  
**Institution Affiliations:** Cornell University  
**Reference:** Analytical Chemistry Letters ASAP. Aug 4, 2016. doi:10.1021/acs.analchem.6b01828
#Automated Lateral Flow Reagent Dispenser (ALFRD)™

Title: **Ultrasensitive Detection of Shigella Species in Blood and Stool**  
**Year:** 2016  
**Publication:** Analytical Chemistry  
**Authors:** Luo J, Wang J, Mathew AS, Yau ST  
**Institution Affiliations:** Cleveland State University  
#Synthetic Stool

Title: **Advancing the Search for Extra-Terrestrial Genomes**  
**Year:** 2016  
**Publication:** IEEE Aerospace Conference 2016  
**Institution Affiliations:** Massachusetts Institute of Technology; Harvard Medical School; Massachusetts General Hospital; Genia Technologies Inc.; Claremont BioSolutions  
#PureLyse® Bacterial gDNA Purification Kits / #Omnilyse® Lysis Kits
Title: Rapid Detection of Escherichia coli O157 and Shiga Toxins by Lateral Flow Immunoassays
Year: 2016
Journal: Toxins
Authors: Wang J, Katani R, Li L, Hegde N, Roberts EL, Kapur V, DebRoy C
Institution Affiliations: Pennsylvania State University
#Automated Lateral Flow Reagent Dispenser (ALFRD)™

Title: Oscillatory Counter Centrifugation
Year: 2016
Journal: Physics of Fluids
Authors: Xu S, Nadim A
Institution Affiliations: Claremont Graduate University
#Custom Sample Preparation Device

Title: Multiplexed Recombinase Polymerase Amplification Assay To Detect Intestinal Protozoa
Year: 2016
Journal: Analytical Chemistry
Authors: Crannell Z, Castellanos-Gonzalez A, Gayatri N, Rojelio M, White AC, Richards-Kortum A
Institution Affiliations: University of Texas Medical Branch; Baylor College of Medicine; Rice University
Reference: Analytical Chemistry. 2016. 88, 1610-1616; doi:10.1021/acs.analchem.5b03267
#Automated Lateral Flow Reagent Dispenser (ALFRD)™

Title: Analysis of Diagnostic Methods and their Sensitivity Test for Mycobacterium Tuberculosis
Year: 2016
Journal: International Journal of Environment, Science and Technology
Authors: Agarwal A, Sharma G, Jasuja ND
Institution Affiliations: Suresh Gyan Vihar University
ISSN:2394-9570
#Omnilyse® Lysis Kits

Title: Comparison of Point-of-Care-Compatable Lysis Methods for Bacteria and Viruses
Year: 2016
Journal: Journal of Microbiological Methods
Authors: Heiniger EK, Buser JR, Mireles L, Zhang X, Ladd PD, Lutz BR, Yager P
Institution Affiliations: University of Washington
#Omnilyse® Lysis Kits

Title: Comparative Sequence Analysis of Cyclospora cayetanensis Apicoplast Genomes Originating from Diverse Geographical Regions
Year: 2016
Journal: Parasites and Vectors
Authors: Cinar HN, Qvarnstrom Y, Wei-Pridgeon Y, Li W, Nascimento FS, Arrowood MJ, Murphy HR, Jang AY, Kim E, Kim SY, da Silva A, Gopinath GR
Institution Affiliations: U.S. Food and Drug Administration (FDA); Center for Disease Control and Prevention (CDC)
#Omnilyse® Lysis Kits

Title: Lectin-based Lateral Flow Assay: Proof-of-Concept
Year: 2016
Journal: Analyst
Authors: Damborsky P, Koczula KM, Gallotta A, Katrlik J
Institution Affiliations: Slovak Academy of Sciences; Xeptagen SpA
#Automated Lateral Flow Reagent Dispenser (ALFRD)™
<table>
<thead>
<tr>
<th>Title</th>
<th>Year</th>
<th>Journal</th>
<th>Authors</th>
<th>Institution Affiliations</th>
<th>Reference</th>
</tr>
</thead>
</table>
In a recent report by the USDA, 11 DNA extraction methods were compared to determine gDNA recovery efficiency from food borne Eubacteria (10 Gram-Negative, 5 Gram-Positive);

“The best overall method was found to be OmniLyse...the OmniLyse procedure appeared to provide near quantitative extraction of genomic DNA of many of the isolates.” (Irwin et al., p. 16)

“OmniLyse (Claremont BioSolutions) methods provided the greatest consistent yield of Genomic DNA”. (Irwin et al., p. 15)
**Title**: Variability in DNA Polymerase Efficiency: Effects of Random Error, DNA Extraction Method, and Isolate Type  
**Year**: 2014  
**Journal**: JSM Mathematics & Statistics  
**Authors**: Irwin PL, Nguyen LT, Chen C, He Y  
**Institution Affiliations**: United States Department of Agriculture (USDA): Agriculture Research Service  
#OmniLyse® Lysis Kits

**Title**: Solution-based Circuits Enable Rapid and Multiplexed Pathogen Detection  
**Year**: 2013  
**Journal**: Nature Communications  
**Authors**: Lam B, Das J, Holmes RD, Live L, Sage A, Sargent EH, Kelley S  
**Institution Affiliations**: University of Toronto  
**Reference**: Nature Communications. 2013. 4. Article 2001; doi:10.1038/ncomms3001 
#OmniLyse® Lysis Kits

**Title**: Proximal Bacterial Lysis and Detection in Nanoliter Wells Using Electrochemistry  
**Year**: 2013  
**Journal**: American Chemical Society Nano  
**Authors**: Besant J, Das J, Sargent EH, Kelley S  
**Institution Affiliations**: University of Toronto  
**Reference**: American Chemical Society Nano. 2013. 7(9). 8183–8189; doi:10.1021/nn4035298 
#OmniLyse® Lysis Kits

**Title**: Tuning the Bacterial Detection Sensitivity of Nanostructured Microelectrodes  
**Year**: 2013  
**Journal**: Analytical Chemistry  
**Authors**: Das J, Kelley S  
**Institution Affiliations**: University of Toronto  
#OmniLyse® Lysis Kits

**Title**: Solution-based Circuits Enable Rapid and Multiplexed Pathogen Detection  
**Year**: 2013  
**Journal**: Nature Communications  
**Authors**: Lam B, Das J, Holmes RD, Live L, Sage A, Sargent EH, Kelley S  
**Institution Affiliations**: University of Toronto  
**Reference**: Nature Communications. 2013. 4. Article 2001; doi:10.1038/ncomms3001 
#OmniLyse® Lysis Kits

**Title**: DNA Adsorption to and Elution from Silica Surfaces: Influence of Amino Acid Buffers  
**Year**: 2013  
**Journal**: Journal of Physical Chemistry B  
**Authors**: Vandeventer PE, Mejia J, Nadim A, Johal MS, Niemz A  
**Institution Affiliations**: Keck Graduate Institute; Pomona College; Claremont Graduate University  
#Custom Sample Preparation Device

**Title**: DNA Adsorption to and Elution from Silica Surfaces: Influence of Amino Acid Buffers  
**Year**: 2013  
**Journal**: Journal of Physical Chemistry B  
**Authors**: Vandeventer PE, Mejia J, Nadim A, Johal MS, Niemz A  
**Institution Affiliations**: Keck Graduate Institute; Pomona College; Claremont Graduate University  
#Custom Sample Preparation Device

**Title**: Ipso-Hydroxylation and Subsequent Fragmentation: a Novel Microbial Strategy To Eliminate Sulfonamide Antibiotics  
**Year**: 2013  
**Journal**: Applied and Environmental Microbiology  
**Authors**: Ricken B, Corvini PFX, Cichocka D, Parisi M, Lenz M, Wyss D, Martínez-Lavanchy P, Müller JA, Shahgaldian P, Tulli L, Kohler HP, Kolvenbach B  
**Institution Affiliations**: University of Applied Sciences and Arts Northwestern Switzerland; Nanjing University; Wageningen University; Helmholtz Center for Environmental Research  
#OmniLyse® Lysis Kits
**Title:** Optimized Templates for Bottom-Up Growth of High-Performance Integrated Biomolecular Detectors  
**Year:** 2013  
**Journal:** Lab on a Chip  
**Authors:** Lam B, Holmes D, Das J, Poudineh M, Sage A, Sargent EH, Kelley S  
**Institution Affiliations:** University of Toronto  
**Reference:** Lab on a Chip. 2013. 13. 2569-2575; doi:10.1039/C3LC41416G  
#OmniLyse® Lysis Kits

**Title:** Simple System for Isothermal DNA Amplification Coupled to Lateral Flow Detection  
**Year:** 2013  
**Journal:** PLoS ONE  
**Authors:** Roskos K, Hickerson AI, Lu H-W, Ferguson TM, Shinde DN, Klaue Y, Niemz A  
**Institution Affiliations:** Keck Graduate Institute; Claremont BioSolutions  
#Automated Lateral Flow Reagent Dispenser (ALFRD)™

**Title:** Functionalized Viral Nanoparticles as Ultrasensitive Reporters in Lateral-Flow Assays  
**Year:** 2013  
**Journal:** Analyst  
**Authors:** Adhikari M, Dhamane S, Hagström AEV, Garvey G, Chen W-H, Koundentzi K, Strycha U, Willson RC  
**Institution Affiliations:** University of Houston  
**Reference:** Analyst. 2013. 138(19); 5584-5587; doi:10.1039/c3an00891f  
#Automated Lateral Flow Reagent Dispenser (ALFRD)™

**Title:** Sample Preparation Methods for Quantitative Detection of DNA by Molecular Assays and Marine Biosensors  
**Year:** 2013  
**Journal:** Marine Pollution Bulletin  
**Authors:** Cox AM, Goodwin KD  
**Institution Affiliations:** National Oceanic & Atmospheric Administration (NOAA)  
#PureLyse® Bacterial gDNA Purification Kits

**Title:** Point of Care Diagnostics: Status and Future  
**Year:** 2012  
**Journal:** Analytical Chemistry  
**Authors:** Gubala V, Harris LF, Ricco AJ, Tan MX, Williams DE  
**Institution Affiliations:** Dublin City University: Biomedical Diagnostics Institute  
**Reference:** Analytical Chemistry. 2012. 84(2); 487-515; doi:10.1021/ac2030199  
#OmniLyse® Lysis Kits

**Title:** *Giardia lamblia* Nek1 and Nek2 Kinases Affect Mitosis and Excystation  
**Year:** 2012  
**Journal:** International Journal for Parasitology  
**Authors:** Smith AJ, Lauwaet T, Davids BJ, Gillin FD  
**Institution Affiliations:** University of California, San Diego  
**Reference:** International Journal for Parasitology. 2012. 42(4); 411–419; doi:10.1016/j.ijpara.2012.03.001  
#HisExpress™ His-tagged Protein Purification Columns

**Title:** Multiphasic DNA Adsorption to Silica Surfaces under Varying Buffer, pH, and Ionic Strength Conditions  
**Year:** 2012  
**Journal:** Journal of Physical Chemistry B  
**Authors:** Vandeventer PE, Lin JS, Zwang TJ, Nadim A, Johal MS, Niemz A  
**Institution Affiliations:** Keck Graduate Institute; Pomona College; Claremont Graduate University  
**Reference:** Journal of Physical Chemistry B. 2012. 116(19); 5661–5670; doi:10.1021/jp3017776  
#Custom Sample Preparation Device
**Title:** Mechanical Disruption of Lysis-Resistant Bacterial Cells by Use of a Miniature, Low-Power, Disposable Device Point-of-Care Nucleic Acid Testing For Infectious Diseases  
**Year:** 2011  
**Journal:** Journal of Clinical Microbiology  
**Authors:** Vandeventer PE, Weigel CM, Salazar J, Erwin B, Irvine B, Doebler R, Nadim A, Cangelosi GA, Niemz A  
**Institution Affiliations:** Seattle BioMedical Research Institute; Claremont Graduate University; Keck Graduate Institute; Claremont BioSolutions  

**Title:** Point-of-Care Nucleic Acid Testing For Infectious Diseases  
**Year:** 2011  
**Journal:** Trends in Biotechnology  
**Authors:** Niemz A, Ferguson TM, Boyle DS  
**Institution Affiliations:** Keck Graduate Institute; Program for Appropriate Technology in Health (PATH); Claremont BioSolutions, LLC  

**Title:** Continuous-Flow, Rapid Lysis Devices for Biodefense Nucleic Acid Diagnostic Systems  
**Year:** 2009  
**Journal:** Journal of Laboratory Automation  
**Authors:** Doebler R, Erwin B, Hickerson A, Irvine B, Woyski D, Nadim A, Sterling JD  
**Institution Affiliations:** Keck Graduate Institute; Claremont Graduate University; Claremont BioSolutions, LLC  

#OmniLyse® Lysis Kits  
#PureLyse® Bacterial gDNA Purification Kits  
#Custom Sample Preparation Devices
**Other Publications & Presentations Applying ClaremontBio’s Products**

<table>
<thead>
<tr>
<th>Title</th>
<th>Year</th>
<th>Conference</th>
<th>Authors</th>
<th>Institution Affiliations</th>
<th>Reference</th>
<th>Device</th>
<th>Notes</th>
</tr>
</thead>
</table>
Title: Single Molecule Sequencing for Life Detection Beyond Earth
Year: 2016
Conference: Nanopore Community Meeting 2016
Institution Affiliations: Massachusetts Institute of Technology (MIT); Harvard Medical School; Massachusetts General Hospital

#OmniLyse® Lysis Kits

Title: Quantification of PD-L1 and PD-1 Expression of Tumor Cells in Non-Small Cell Lung Cancer (NSCLC) Using Non-Enzymatic Tissue Dissociation and Flow Cytometry
Year: 2016
Publication: American Association for Cancer Research 2016
Authors: Chargin A, Morgan R, Sundram U, Ratti N, Sults K, Patterson BK
Institution Affiliations: IncellDx Inc.

#Custom microHomogenizer™ Device

Title: DNA Extraction and Library Preparation for Rapid Genus- and Species-level Identification, with or without PCR
Year: 2016
Conference: Nanopore Community Meeting 2016
Authors: Dan Turner
Institution Affiliations: Oxford Nanopore Technologies

#OmniLyse® Lysis Kits

Title: NASA Sequences DNA in Space for First Time Using MinIon on International Space Station
Year: 2016
Publication: GenomeWeb
Authors: Rizk C
Institution Affiliations: NASA Johnson Space Center

#OmniLyse® Lysis Kits

Title: Analytical Methods for Detecting Mycobacterium tuberculosis DNA on Oral Swabs
Year: 2015
Conference: American Association for Clinical Chemistry 2015: Emerging Clinical and Laboratory Diagnostics
Authors: Lohmiller J, Nguyen F, Weigel K, Cangelosi G
Institution Affiliations: University of Washington

#PureLyse® Bacterial gDNA Purification Kits

Title: Tuberculosis Diagnostic Technology and Market Landscape 4th Edition
Year: 2015
Publication: World Health Organization - UNITAID
Authors: Boyle D & Pai M
Institution Affiliations: Program for Appropriate Technology in Health (PATH); McGill University

#PureLyse® Bacterial gDNA Purification Kits / #OmniLyse® Lysis Kits / #Custom Sample Preparation Device / #Automated Lateral Flow Reagent Dispenser (ALFRD)™
Title: **Wetlab-2: Quantitative PCR Tools for Spaceflight Studies of Gene Expression Aboard the International Space Station**  
Year: 2015  
Publication: NASA Facts  
Project Manager: Julie Schonfeld  
Institution Affiliations: NASA Ames Research Center  
Reference: *NASA Facts. FS-2015-06-01-ARC*

**#OmniLyse® Lysis Kits / #Custom RNA Extraction Device / #Custom microHomogenizer™ Device**

Title: **Correlation of Multiparameter Flow Cytometric Analysis of Cell Suspension Derived from FNA, Fresh Biopsy Tissue, and Formalin Fixed Paraffin Embedded Non-small Cell Lung Cancer Tissue using IncellPrep Liquid Biopsy**  
Year: 2015  
Journal: *Journal of Clinical Oncology*  
Authors: Chargin A, Morgan R, Shults K, Tsay E, Patterson BK  
Institution Affiliations: Stanford University; IncellDx  

**#Tissue microHomogenizer™ Kits**

Title: **A Rapid, Fully Automated Sample Preparation Method of Clostridium difficile in Stool Using the SimplePrep™ X8 Instrument**  
Year: 2015  
Conference: American Association for Clinical Chemistry 2015: Emerging Clinical and Laboratory Diagnostics  
Institution Affiliations: Claremont BioSolutions, LLC; Program for Appropriate Technology in Health (PATH); Keck Graduate Institute  
**#SimplePrep® Automated Lysis and Nucleic Acid Extraction Platform**

**Selected Publication**

**Book Chapter: 8: Microfluidic Diagnostics for Low-resource Settings: Improving Global Health without a Power Cord**  
Year: 2014  
Book Title: *Microfluidics for Medical Applications*  
Authors: Buser JR, Holstein CA, Yager P  
Institution Affiliations: University of Washington  
**#OmniLyse® Lysis Kits**

“The OmniLyse device shows that bead beater-like lysis efficiency can be accomplished with a very small device, smaller than the three AA Batteries used to power it.” *(Buser et al., p. 176)*

Title: **Integrated Nucleic Acid Testing for TB Diagnosis in Peripheral Settings**  
Year: 2015  
Conference: American Association for Clinical Chemistry 2015: Emerging Clinical and Laboratory Diagnostics  
Institution Affiliations: Keck Graduate Institute; Claremont BioSolutions, LLC; Leardon Solutions; University of Washington; Seattle Biomedical Research Institute  
**#Custom Sample Preparation Device**
Title: Methods for Rapid Extraction of High-Quality RNA from FFPE Cancer Tissue
Year: 2014
Publication: FASEB Journal
Institution Affiliations: AntiCancer Inc; University of California San Diego: School of Medicine; California State University, Northridge; Claremont BioSolutions
#Tissue microHomogenizer™ Kit

Book Chapter: 10: Point-of-Care Nucleic Acid Testing: Clinical Applications and Current Technologies
Year: 2014
Book Title: Molecular Diagnostics: Current Research and Application
Authors: Niemz A, Ferguson TM, Boyle CS
#Purelyse® Bacterial gDNA Purification Kits

Title: Technical Evaluation of Sample-Processing, Collection, and Preservation Methods
Year: 2014
Publication: US Army’s Edgewood Chemical Biological Center
Institution Affiliation: US Army: Research, Development, and Engineering Command
Reference: Edgewood Chemical Biological Center Technical Evaluation. 2014. ECBC-TR-1237; ADA6088193
#Purelyse® Bacterial gDNA Purification Kits

Title: Development Status of the WetLab-2 Project: New Tools for On-orbit Real-time Quantitative Gene Expression
Year: 2013
Publication: National Aeronautics and Space Administration (NASA)
Authors: Jung J, Parra M, Almeida E, Boone T, Chinn T, Ricco A, Souza K, Hyde L, Rukhsana Y, Richey S
Institution Affiliation: NASA Ames Research Center
#OmniLyse® Lysis Kits

Title: System for Portable Nucleic Acid Testing In Low Resource Settings
Year: 2013
Publication: International Society for Optics and Photonics
Authors: Lu H-W, Roskos K, Hickerson AI, Carey T, Niemz A
Institutional Affiliations: Keck Graduate Institute; Harvey Mudd College
#Purelyse® Bacterial gDNA Purification Kits / #Automated Lateral Flow Reagent Dispenser (ALFRD)™

Book Chapter: 1: Low-Cost Microdevices for Point-of-Care Testing
Year: 2013
Book Title: Point-of-Care Diagnostics on a Chip
Authors: Chin CD, Chin SY, Laksanasopin T, Sia SK
#OmniLyse® Lysis Kits
Title: **Nucleic Acid Purification Market Survey**  
*Year: 2013*  
*Publication: US Army's Chemical, Biological, Radiological and Nuclear Defense Center*  
*Authors: Betters J, Emanuel P, Caples M*  
*Institution Affiliations: United States Army Department of Defense*  
*Reference: Chemical, Biological, Radiological and Nuclear Defense Center. 2013. #PureLyse® Bacterial gDNA Purification Kits*

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Title: **Refining Sample Prep for Molecular Dx**  
*Year: 2013*  
*Publication: Genetic Engineering & Biotechnology News*  
*Authors: McKenna N*  

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Title: **Conducting On-orbit Gene Expression Analysis on ISS: WetLab-2**  
*Year: 2013*  
*Publication: Annual International Space Station Research and Development Conference 2013*  
*Authors: Parra M, Almeida E, Boone T, Hide E, Jung J, Lera M, Ricco A, Souza K, Wu D, Scott Richey C*  
*Institution Affiliations: NASA AMES Research Center; Lockheed Martin Space Operations; Dynamac Corp.; Wyle Labs*  

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Title: **Use of a Disposable Lysis Device and Capture of Unamplified mycobacterial rRNA on a Liquid Bead Array for Species Determination from Liquid Cultures**  
*Year: 2012*  
*Publication: MicroNano Conference*  
*Authors: de Ronde H, de Haas P, van Soolingen D, Anthony RM*  
*Institution Affiliations: KIT Biomedical Research Royal Tropic Institute; RIVM Tuberculosis Reference Laboratory*  

---

Title: **Real-Time Sample Prep on the Horizon**  
*Year: 2012*  
*Publication: Genetic Engineering & Biotechnology News*  
*Authors: Daniels D*  
*Reference: Genetic Engineering & Biotechnology News. 2012. 32(11): 38-40. doi:10.1089/gen.32.11.14 #OmniLyse® Lysis Kits / #PureLyse® Bacterial gDNA Purification Kits*

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Title: **Novel Applications for Sample Preparation: Tool Providers Launch Innovative Products to Meet Researchers' Protein-Related Demands**  
*Year: 2011*  
*Publication: Genetic Engineering & Biotechnology News*  
*Authors: Dutton G*  
*Reference: Genetic Engineering & Biotechnology News. 2011. 31(10): 24-26. doi:10.1089/gen.31.10.12 #HisExpress™ His-tagged Protein Purification Columns / #OmniLyse® Lysis Kits*
**Title:** Motion of Beads in an Oscillatory Rotating Fluid: Micro-Bead-Beating  
**Year:** 2008  
**Publication:** Bulletin of the American Physical Society  
**Authors:** Nadim A, Sterling J, Doebler R  
**Institution Affiliations:** Claremont Graduate Institute; Keck Graduate Institute; Claremont BioSolutions, LLC  
#Custom Sample Preparation Device

**Title:** Easy on the Stomach: Pinpointing Immediate Results  
**Year:** 2011  
**Publication:** International Innovation: Healthcare  
**Authors:** Staff Writer  
#PureLyse® Bacterial gDNA Purification Kits