DATA SHEET

The effectiveness of OmniLyse[™] as a disposable cell disruptor



ClaremontBio

MAKING THE EXTRACTION OF DNA EASY

Solutions

Electron micrographs of *B. subtilis* spores processed using OmniLyse. Panel A: Unlysed spores. Panel B: Single 80 ul aliquot of spores treated for 40 second in static-mode.



OmniLyse static mode results show 70% lysis in under 30 sec and 80% in 45 sec. Fraction lysed as percentage yield of Biospec[™] Bead Beating for 3 minutes. (Determined using PicoGreen assay).





DATA SHEET





ClaremontBio Solutions

DATA SHEET



PureLyse[™] achieves LOD of least 50 copy resolution 1 ml samples, 200 ul elution, 25 ul transfer to PCR PM 100623 PureLyse E.coli titration Copy fraction 45 copies loaded transferred to into PureLyse PCR: 25 ul/200 ul PureLyse 1 1 40 50 6.25 100 12.5 Log. (gDNA) 200 25 12.5 35 1000 125 125 10000 1250 v = -1.619ln(x) + 38.45 ե $R^2 = 0.999$ 30 1250 Statistically significant detection over 25 background with only ~6 copies theoretically 20 added to real-time 1 10 100 1000 10000 PCR reaction at lowest copies transfered to PCR concentration



DATA SHEET

How to order PureLyse[™]/OmniLyse[™]

1. Select the configuration that best fits your research:

V-Syringe 1	V-Syringe 2	V-Pipette Tip
 Single Syringe with Luer-Lock Inlet Rigid Tubing outlet Binding and Elution Buffer(For PureLyse™) Power Source (Battery Pack or USB cable) Refill Kits of 6 Cartridges are available 	 Dual-Syringe connection to Luer-Lock in let and outlet to contain samples Binding and Elution Buffer(For PureLyse™) Power Source (Battery Pack or USB cable) Refill Kits of 6 Cartridges are available 	 Pipette Tip with fitting to Luer-Lock inlet Rigid tubing outlet Binding and Elution Buffer(For PureLyse™) Power Source (Battery Pack or USB cable) Refill Kits of 6 Cartridges are available

2. Contact us via the internet or phone and one of our sales representatives with assist you with processing your order: Phone: 909-920-3887 or Email: info@claremontbiosolutions.com

ClaremontBio Solutions

MAKING THE EXTRACTION OF DNA EASYTM

Contact Us to Order

1182 Monte Vista Ave. Ste. #11 Upland, CA 91786

Tel: (909) 920-3887 Fax: (909) 946-1132

Email: info@claremontbiosolutions.com Web: www.ClaremontBio.com