prepIT°•MAX

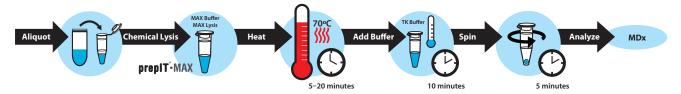
PT-MAX

SIMPLE • EFFICIENT • RELIABLE

Maximize *Mycobacterium tuberculosis* (MTb) DNA yield for molecular analysis

prepIT[®]•MAX is an extraction kit with a liquid lysis method that increases recovery of *Mycobacterium tuberculosis* DNA without the need for bead beating or sonication.

Extract with prepIT•MAX for improved molecular results



Simple	Efficient	Reliable
Reduce sample prep time for molecular testingEliminate bead beating and sonicationIncrease safety	Consistently higher MTb DNA yieldGreater extraction and workflow efficiencyEnable automation for MTb DNA extraction	 Improve detection of low and moderate positive samples Increase DNA recovery to improve the sensitivity of molecular analysis

Table 1: prepIT-MAX compatibility and impact on limits of detection.

Molecular analysis method	Compatible	Limits of detection (LOD) (as compared to bead beating)
PCR, LAMP	\checkmark	Lower
Hain LPA	\checkmark	Easier calls for low positives
Pyrosequencing	\checkmark	Available from 1° sample; no need to wait for culture

Catalog #: PT-MAX-25, PT-MAX-250 Available for 25 preps and 250 preps For more information contact info@dnagenotek.com

prepit MAX

For In Vitro Diagnostic Use

DNA Genotek Inc. 3000 - 500 Palladium Drive Ottawa, ON, Canada K2V 1C2 Subsidiary of OraSure Technologies, Inc. Toll-free (North America): 1.866.813.6354 Tel.: +1.613.723.5757 • Fax: +1.613.723.5057 www.dnagenotek.com info@dnagenotek.com

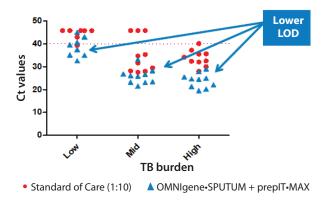


prepIT°•MAX

prepIT•MAX compatibility and impact on limits of detection

Figure 1: Lower LOD of a CLIA/CLEP approved PCR assay.

prepIT-MAX extracted samples show lower Ct values and no inhibition, as compared to standard-of-care samples.



with molecular methods, increasing DNA yield and lowering limits of detection.

prepIT•MAX is compatible

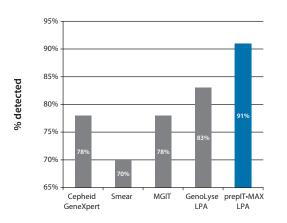
	MTb detected		
	Low	Mid	High
prepIT•MAX	88%	100%	100%
Bead beating (1:10 dilution)*	25%	70%	100%

Low n=8; Mid and High n=10

* 1:10 dilution results reported due to inhibition in neat samples

Methods: DNA from duplicate low, mid and high positive FIND sputum samples was extracted using prepIT•MAX after treatment with OMNIgene®•SPUTUM or according to standard-of-care NaOH/NALC and bead beating processing. DNA was analyzed by a TaqMan® real-time PCR assay.





Methods: 23 sputum samples followed standard collection, processing and diagnostic methods to compare the impact of using prepIT-MAX as the DNA extraction method prior to detection with the Hain Lifescience MTBDR*plus* v2.0 line probe assay (LPA). See PD-WP-00047 for more information.

Table 2: prepIT-MAX comparison of extraction method vs. bead beating.

Product attributes	prepIT•MAX	Bead beating
Shelf-life	1 year	N/A
Liquid reagent	Y	Ν
Compatible with automation	Y	Ν
Limits aerosol generation	Y	Ν
Processing time	20–35 minutes	75 minutes
Increases DNA yield	>90% recovery	20—80% recovery
Reproducible extraction results	Y	Ν
Decreases molecular inhibition	Y	Ν
Increases molecular sensitivity	Y	Ν

Some DNA Genotek products may not be available in all geographic regions. Contact your account representative for more details.

*prepIT and OMNIgene are registered trademarks of DNA Genotek Inc.

All other brands and names contained herein are the property of their respective owners.

Patent (www.dnagenotek.com/legalnotices)



Superior samples • Proven performance

