



Quantitative, Polymerase Chain Reaction Assays PenAsp* and Stach*

228 Midway Lane, Suite B
Oak Ridge, TN 37830

www.assuredbio.com

Phone: (865) 813-1700
Fax: (865) 813-1705

Client:	Shirley Smith	Collected:	12/15/2010
Project:	Mold Self Test	Received:	1/1/2010
Job #:		Reported:	1/2/2010
Assured Bio ID:	SS010110-1	Analyst:	M. McGraw, J. Wu

Notes:

Quantitative PCR or DNA analysis was performed utilizing the two assays below to detect common water damage molds.

*The PenAsp assay is known to detect multiple species of *Penicillium* and *Aspergillus* as well as *Paecilomyces variotii*. Therefore further testing would be necessary to distinguish between species. Should your sample show elevated amounts of spores within this assay it is recommended a comprehensive DNA panel, also known as ERMI analysis, be processed to further investigate your mold problem.

*The Stach assay detects *Stachybotrys chartarum* also known as "black mold." High amounts of this mold indicate a disturbance in the home's mold burden.

Swab/bulk samples could contain spores and hyphal fragments. This renders individual quantifications unreliable because calibrations cannot be performed for samples containing hyphae. Any quantification greater than zero should be regarded strictly as a positive result, indicating only that the species or genus was present.

Sample ID: SS010110-1-1
Description: HVAC Filter

<u>Assay</u>	<u>Spores/1 mL Sample</u>
PenAsp*	1,302
Stach*	Below Detectable Limits

Comments: At the time of sampling your results fall into the MODERATE category. *Penicillium* and *Aspergillus* concentrations were found to be average and no *Stachybotrys chartarum* was detected at this time. Mold exposure symptoms are unlikely to occur but will vary with the individual.