

# Microbial Matrix Systems Inc.

2300 Ferry St #9 Albany, OR 97322 P.O. Box 209 Tangent, OR 97389  
Lab: 541-967-0550 Cell: 541-990-0439 Irogers@microbialmatrix.com

Client: Enterra  
Functional Group Analysis

Sample #3001 - 3003

MMSI Sample #	Sample ID	Nitrifying Bacteria	Phosphorus Solublizers	Total Psuedomonads	Fluorescent Psuedomonads	Cellulose Degradars	Chitin Utilizers	Heterotrophic Bacteria
		CFU/ml(gm)	CFU/ml(gm)	CFU/ml(gm)	CFU/ml(gm)			
3001	1 H1811-14F	1.00E+06	6.00E+08	2.00E+10	1.20E+08	1.40E+05	1.40E+07	2.00E+09
3002	2 H201114-F	4.00E+09	2.00E+11	1.00E+10	1.30E+08	1.00E+04	1.30E+08	1.00E+11
3003	3 H131114-F	3.20E+11	1.00E+08	1.00E+10	1.10E+07	1.00E+04	1.10E+08	1.20E+13

A 1:10 serial dilution of each sample was made using sterile 1M phosphate buffer at pH of 7.2. An aliquot of 100ul of each dilution was spread plated onto corresponding media plate using sterile technique. Plates were incubated at 28C till colony appearance.

The Colony Forming Units above are written in Scientific Notation - in order to get actual number move decimal point over to the right according to the number after the +.

The colony forming units in each "functional group" above is typical in many "organic products" and does indicate the potential for this organic source to provide plant needed nutrients for growth and production. Visual obersvation of each functional group cultural media plant did indicate that on average there were about 6 different potential "species" of bacteria present.

