

## Microcosm Shaker Test for Determining Amount of Ligand Bleed from Media #1 at Various Temperatures and pH's

### Experimental Conditions

- Temperatures of ambient, 70C, and 90C
- pH range from 3.2 to 8.5
- 150mL of Deionized water
- 2g of -50 +100 mesh Media #1
- 90 minute shaker bath tests
- Samples were analyzed on HPLC

Table 1: Shows the amount of ligand bleed from Media #1 at various temperatures and pH's.

Microcosm Shaker Test - Ligand Bleed				
Media 1(-50+100) in pH adjusted deionized water at 90 minutes				
Sample	pH	Temp	Ligand Removed	
			mg removed	% removed
Media 1(-50+100)	3.5	Ambient*	Non detect	0.00%
Media 1(-50+100)	3.5	70°C	0.06	0.05%
Media 1(-50+100)	3.2	90°C	0.12	0.10%
Media 1(-50+100)	5.5	Ambient*	Non detect	0.00%
Media 1(-50+100)	5.5	70°C	0.05	0.04%
Media 1(-50+100)	5.5	90°C	0.13	0.11%
Media 1(-50+100)	8.5	90°C	0.15	0.13%
* Ambient ~ 21°C				