

Sorption Capacity of Europium for Media #1 and Media #2 from Solution at Ambient Temperature

Experimental Conditions

- Solution pH 3.2
- 150mL of a 500ppm Eu solution
- 2g of media (75-1 ratio)
- Shakertable at 310 rpm's for 90 minutes
- Ambient temperature.

Table 1: Shows the total capacity and K_d values for Media #1 and Media #2.

Media Eu Capacity - 90 Minute Kinetic Shaker Test		
	Solution:Media Ratio 75:1	
	500 ppm Eu	
	Total Capacity (wt/wt)	Average K_d (ml/g)
Media 1	1.760%	58.7
Media 2	1.360%	49.4

Graph 1: This graph shows the kinetics and apparent capacities of Eu on Media #1 at various time points of the 90 minute run at ambient temperature.

