

Proposed BCMB 4030/6030 Schedule, Fall 2002

Week	Experiment	Points
August 20 and 21	Preparation of phosphate buffer	5
August 27 and 28	Isolation of alkaline phosphatase a	
September 3 and 4	Isolation of alkaline phosphatase b	15
September 10 and 11	Isolation of alkaline phosphatase c,d	15
September 17 and 18	Alkaline phosphatase kinetics	10
September 24 and 25	Native gel electrophoresis; media preparation	10
October 1 and 2	SDS-gel electrophoresis; reagent and plate preparation	10
October 8 and 9	Transformation-cyan fluorescent protein plasmid	10
October 15 and 16	Plasmid isolation and quantitation; PCR setup	10
October 22 and 23	Digestion and agarose gel electrophoresis	10
October 29 and 30	Second transformation-kanamycin resistance plasmid	10
November 5 and 6	Second plasmid preparation and quantitation	10
November 12 and 13	Digestion, cleanup and ligation	10
November 19 and 20	Third transformation	10
December 3 and 4	Examine plates	

Lectures Monday 12:20-1:10 p.m. Laboratory Tuesday or Wednesday. Test October 8 (15 points).

Instructor: J. Brewer, A316 Life Sciences (2-1773).

Course assignments: all experiments must be completed as scheduled and any writeups turned in the Monday following the scheduled experiment. Writeups consist of a) the original data; b) the processed data and results; c) any graphs and tables required. Grades are based on carrying out the calculations correctly.

Course material (directions and ancillary information): supplied.