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Sent: Wednesday, March 08, 2000 10:30 AM

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Subject: PBS

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Here's the information:

Avant PA and MARP PA was diluted in Avant buffer or Dulbecco's PBS to 0.2 mg/ml. The Absorbance at 280 was read and determined to be 0.2, indicating that the concentrations provided us were correct (Avant PA = 2.5 mg/ml; MARP PA = 1.18 mg/ml). Alhydrogel was added to each tube to an aluminum concentration of 0.5 mg/0.5 ml (the desired concentration of aluminum in a 1/2 ml human dose). The tubes were mixed and allowed to sit overnight at 4C. The Alhydrogel was sedimented by centrifugation, and the supernatant absorbance at 280 nm was read.

Results:

	Avant buffer	Dulbecco's PBS
Avant PA	0.109	0.030
MARP PA	0.110	0.028

These data indicate that adsorption of PA was substantially greater in Dulbecco's PBS (no calcium or magnesium) than in the Avant buffer. This is not surprising, in that there is more twice the phosphate in the Avant buffer, and phosphate is known to interfere with binding to Alhydrogel. The Avant and MARP PA products will be mixed with Alhydrogel and Dulbecco's PBS for the first experiment in rabbits to determine which product, if any, we should choose.

- Bruce