

10. Pipette 50µl HRP-Gadolinium DOTA (**yellow**) into **all wells (except Blanks)**. Tap plate gently to mix contents of each well and observe wells for consistency.
11. Pipette 50µl Rabbit anti-Gadolinium DOTA (**blue**) into **all wells (including Blanks)**. Tap plate gently to mix contents of each well and observe wells for consistency. Peel paper backing from Plate Sealer and carefully place Plate Sealer (sticky side down) over plate. Use paper backing to cover plate and protect wells from light.
12. Place plate on Plate Shaker set to 500 rpm and time for 90 minutes.
13. When plate incubation from Step 12 is complete, wash plate three times with 350µl Wash Buffer per well.
14. Check HRP Substrate Reagent to be sure it is colorless. Do not use if blue (contaminated). Pipette 100µl into **all wells (including Blanks)**. Tap gently to mix contents of each well.
15. Incubate substrate for 30 minutes at room temperature (no shaking). Before end of 30-minute incubation, look over plate for any bad wells and circle on your plate layout.
16. Pipette 100µl of HRP Stop Reagent into **all wells (including Blanks)**. Tap gently to mix contents of each well.
17. Read plate at 450nm and use 4-parameter curve-fit for data reduction.

SCHEME 1: REPRESENTATIVE PLATE LAYOUT

Gd-DTPA Standard Curve
& Controls |-----Subject serum samples: one color per Subject-----|

	1	2	3	4	5	6	7	8	9	10	11	12
A	B	B										
B	E 0.01	E 0.01										
C	0.03	0.03										
D	0.1	0.1										
E	0.3	0.3										
F	1	1										
G												
H												

