6_2_FTS AtoB BtoA p_1.1. p_2.1. 6 30 -20 20 Blood 10 10 2-0 0 --10 Concentration (uM) **-10** -600 -20· -20 -30 Value 400 Cell p_3.1. p_4.1. 200 20 -20 10 10 0 4 Lumen -10· 2 · -20· -10 0 -30 12 16 20 20 24 24 2500 5000 7500 10000 12 16 2500 5000 7500 10000 0 8 0 0 Time Iteration MAD = 0.13, Rho = 0.981.007 p_4 10² Predicted concentration 1.007 Parameter 10¹ p_3 Addition.Type AtoB 10⁰ 1.014 BtoA p_2 Compartment 10^{-1} Blood 1.013 Cell p_1 Lumen 10⁻²

10⁻²

10⁻¹

10⁰

10¹

Experimental concentration

10²

10³

10⁻⁵

10⁰

10⁵

Value (cm/hr)

10¹⁰

10¹⁵