V2 Multicompartment stress testing

# Test 1: Two compartments, both with default values, ATPase is constant:

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| Prediction: | * Compartments are identical * Compartments reach a steady state with no net ionic movement * Steady state (final) values are similar to Kira’s |
| Initial values: |  |
| ATPase model: | Constant |
| Run Time: | 30 minutes |
| Final values: |  |
| Relevant graphs |  |
| Boundary |  |
| Conclusion | * Single compartment is working with the constant ATP * Reasonable concentrations of all ions |

# Test 2: two compartments, ATPase constant, z in both comps reduced to -1.2

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| Prediction: | * Steady state occurs * Vm and Chloride driving force will differ from test 1 |
| Initial values: |  |
| ATPase: | Constant |
| Sim duration: | 30 minutes |
| Final  Values: |  |
| Relevant graphs |  |
| Boundary graph |  |
| Conclusion | * Not at steady state – potentially need to increased the ATPase rate to increase the speed of the simulations |