Report Experiment D6-D7

# Summary

|  |  |
| --- | --- |
| Experiment D6 | Drop z from -0.85 🡪 -1.2 in comp8 (-0.35 absolute change)   * Get a -4mv drop in Vm in comp 8 * No change in chloride driving force |
| Experiment D7 | Increase z from -0.85 🡪 -0.5 in comp8 (+0.35 absolute change)   * +8mV increase in Vm in comp8 * Small change (-0.08mv) in chloride driving force * Appears that the effect of increasing z is greater than decreasing… perhaps this is exponential |
| Experiment D8 | Increase z from -0.85 🡪 -0.1 in comp8 🡪 running on BEAST |

|  |  |
| --- | --- |
| Title | Experiment D6 |
| Aim | Drop z from -0.85 🡪 -1.2 |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
| Conc. | No net driving force for chloride across the boundary or across the membrane although there is a different membrane potential.  Chloride microdomain in the compartment manipulated. |

|  |  |
| --- | --- |
| Title | Experiment-D7 |
| Aim | Increase z in comp8 from -0.85 to -0.5 |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |
| Conclusion | * Exaggerated effect when increase the z by the same absolute amount as in experiment D6. * Here there is also a small difference in chloride driving force. * ?Perhaps this effect is exponential so will run another experiment with z=-0.1 |