## Concentrations

| Symbol | Value | Units | Description |
| --- | --- | --- | --- |
|  |  |  | Acetyl CoA concentration |
|  |  |  | Mg2+ concentration in mitochondria |
|  |  |  | Mg2+ concentration in cytosol/buffer |
|  |  |  | Coenzyme A concentration |
|  |  |  | Glutamate concentration |
|  |  |  | cytosolic H+ concentration |
|  |  |  | cytosolic Na+ concentration |
|  |  |  | cytosolic Ca+ concentration |
|  |  |  | cytosolic ADP concentration |

### Conservations

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The total adenosine concentration and the total creatine might be different in different mice strains: WT, mtCK, mtCaMKII etc.

## Initial Conditions

| Symbol | Value | Units | Description |
| --- | --- | --- | --- |
|  |  | mM | mitochondrial calcium concentration |
|  |  | mM | mitochondrial ADP concentration |
|  |  | mM | mitochondrial membrane potential |
|  |  | mM | mitochondrial NADH |
|  |  | mM | mitochondrial proton concentration |
|  |  | mM | mitochondrial phosphate concentration |