**Seahorse XF Cell Mito Stress Test Profile**

**Metabolic Respiration**

- **Oligomycin**
- **FCCP**
- **Rotenone & antimycin A**

**Parameter**

| Parameter                      | Equation                                                                 |
|-------------------------------|--------------------------------------------------------------------------|
| Basal Respiration             | (Last rate measurement before first injection) − (Non-Mitochondrial Respiration Rate) |
| Maximal Respiration           | (Maximum rate measurement after FCCP injection) − (Non-Mitochondrial Respiration Rate) |
| In/Out Leak                   | (Maximum rate measurement after Oligomycin injection) − (Non-Mitochondrial Respiration Rate) |
| ATP Production                | (Minimum rate measurement before Oligomycin injection) − (Non-Mitochondrial Respiration Rate) |
| Respiration Capacity          | (Maximal Respiration) − (Basal Respiration) |
| Respiration Capacity as a %   | (Maximal Respiration) / (Basal Respiration) × 100 |

**Parameter**

| Rate Measurement Equation Used by Report Generator |
|-----------------------------------------------------|
| **Glycolysis**                                      | (Maximum rate measurement before Oligomycin injection) − (Last rate measurement before Glucose injection) |
| **Glycolytic Capacity**                             | (Maximum rate measurement after Oligomycin injection) − (Last rate measurement before Glucose injection) |
| **Glycolytic Reserve**                              | (Glycolytic Capacity) − (Glycolysis) |
| **Glycolytic Reserve as a %**                        | (Glycolytic Capacity Rate) / (Glycolysis) × 100 |
| **Non-Glycolytic Acidification**                    | Last rate measurement prior to glucose injection |
| **Acute Response**                                  | (Last rate measurement before glucose injection − Last rate measurement before acute injection) |