

Glycolysis

Glucose

2 ATP

2 NADH
2 ATP
2 ATP

Pyruvate

No₂ or With O₂

Fermentation

2 Pyruvate

NADH

NAD

lactate Alcohol

2 CO₂
2 ATP

Cytoplasm

Prep Reaction

2 pyruvate

2 CO₂
2 CO₂

2 Acetyl CoA

2 NADH

2 NADH

2 Acetyl CoA

Citric Acid Cycle

4 CO₂

2 ATP

6 NADH

2 FADH₂

Electron Transport

2 NADH

6 NADH

2 FADH₂

6 O₂

6 H₂O

NAD

NAD

NAD

FAD

6 ATP

6 ATP

18 ATP

4 ATP

Mitochondria