

Metabolism Summary

Proteins

amino acids

Nitrogen Pool

tissue protein

NH₃

Urea Cycle

urea

Carbohydrates

glucose, fructose, galactose

glycogenesis

Glycogen

Glucose-6-Phosphate

glycogenolysis

gluconeogenesis

glycolysis

Lactic Acid

Pyruvic Acid

acetyl Co A

CO₂

2H⁺

ADP

ADP

ADP

O₂

Citric Acid Cycle

2e⁻

Electron Transport Chain

ATP

ATP

ATP

H₂O

Fats and Lipids

fatty acid, glycerol

Lipogenesis

Fatty Acid Spiral