

Glutaminolysis

Produced for the CRC for Premium Quality Wool undergraduate program by; Rachel Smith, The University of Western Australia.



Glutaminolysis

glutamine alanine intermediates and lactate pyruvate end products alanine acetyl-CoA aspartate glutamate lactate oxaloacetate NADPH glutamate NH₄⁺ TCA aspartate ATP glutamine fumarate α-ketoglutarate

CRC

for

Premium

Quality

Wool

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Glutaminolysis

8 individual pathways identified

- pyruvate lactate (9 ATP)
- pyruvate \longrightarrow CO₂ and H₂0 (27 ATP)

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