

Part 1 Metabolic Pathways



Roche Biochemical Pathways
4th Edition, Part 1 – Editor: Gerhard Michal

General Remarks for Part 1

1. The pathways are arranged in a logical order, starting with the breakdown of macromolecules and the breakdown of glucose, leading to the breakdown of fatty acids and the breakdown of amino acids, and finally leading to the breakdown of nucleic acids.
2. The pathways are color-coded: red for glycolysis and gluconeogenesis, blue for the citric acid cycle and oxidative phosphorylation, green for fatty acid metabolism, orange for amino acid metabolism, and purple for nucleic acid metabolism.
3. The pathways are numbered according to the following scheme: 1-100 for glycolysis and gluconeogenesis, 101-200 for the citric acid cycle and oxidative phosphorylation, 201-300 for fatty acid metabolism, 301-400 for amino acid metabolism, and 401-500 for nucleic acid metabolism.
4. The pathways are presented in a simplified manner, showing only the main reactions and intermediates. Detailed mechanisms and enzyme names are not shown.
5. The pathways are presented in a schematic manner, showing the flow of metabolites and the interconnections between different pathways.
6. The pathways are presented in a comprehensive manner, covering all major metabolic pathways in a cell.
7. The pathways are presented in a clear and concise manner, making them easy to understand and use as a reference.
8. The pathways are presented in a visually appealing manner, with clear labels and color-coding.
9. The pathways are presented in a logical and systematic manner, making them easy to navigate and understand.
10. The pathways are presented in a comprehensive and detailed manner, covering all major metabolic pathways in a cell.

