



3a. Other Acids in the Body

Most acids inside body cells are generated internally from metabolism. In addition to carbon dioxide, sulphuric acid and phosphoric acid are produced during the metabolism of meat proteins and fatty acids are produced during the metabolism of fat. Large quantities of keto acids may be produced in diabetes. Several acids are produced in the metabolism of alcohol.

Large concentrations of acid in the body are produced by muscles during strenuous exercise. During strenuous exercise there is a net utilisation of energy which is derived ultimately from the hydrolysis of adenosine triphosphate (ATP) in muscle cells. The hydrolysis of ATP produces acidic conditions in muscle cells:

