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Czech J. Food Sci.

**Velíšek J., Cejpek K.:
Biosynthesis of food**

constituents. vitamins

2. Water-soluble vitamins: Part 2 – a review

Czech J. Food Sci., 25 (2007): 101-118

This review article gives a survey of the biosynthetic pathways that lead to water-soluble vitamins in microorganisms, plants and some animals. The biosynthetic pathways leading to some of the B-group vitamins (biotin, folacin, cobalamins) and to vitamin C are described in detail using reaction schemes and mechanisms with enzymes involved and detailed explanations based on chemical principles and mechanisms.