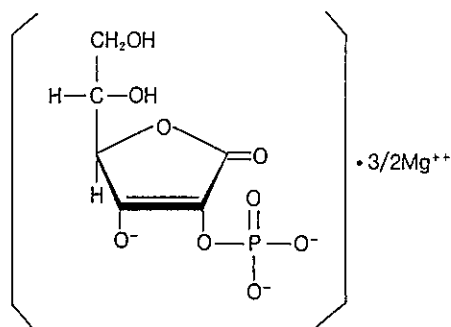


Wako

L-Ascorbic Acid Phosphate · Mg Salt · nH₂O
<Stable Vitamin C for Cell Culture>

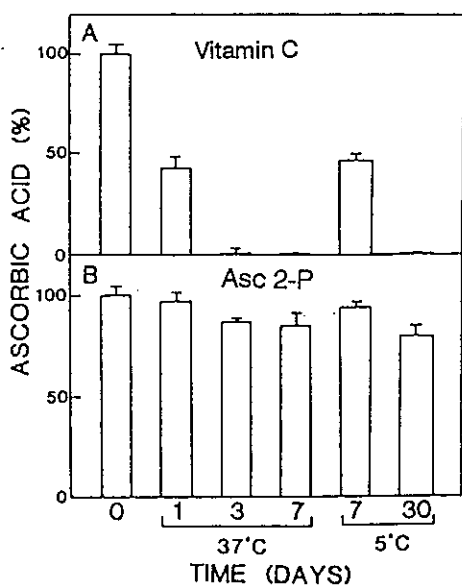
Code No. 013-12061
Package : 10g



C₆H₆O₉P 3/2Mg : MW=289.54

L-Ascorbic Acid Phosphate has been shown to promote cell growth and collagen synthesis. Specifically, Asc 2-P increases the steady state levels of mRNA for type I collagen chains and elevates the transcriptional rates of type I collagen genes. Problems exist, however, with typical ascorbic acid, the greatest of which is its short biological half-life. Free ascorbic acid is very unstable in solution, especially under culture conditions of neutral pH and 37°C. **L-Ascorbic acid phosphate is much more stable product and can thus be used more easily and effectively.**

Stability of Vitamin C and L-Ascorbic Acid Phosphate Mg salt.



Prepare Dulbecco's modified Eagle medium included 10% FBS and 10mM L-Ascorbic Acid Phosphate Mg salt/Vitamin C. After sterilization of this medium by filtration method, store at 5 or 37°C.