

LIPOSOMAL VITAMIN PRODUCT FAMILY
WITH LONG-LASTING EFFECT



FOR THE MOST EFFECTIVE ABSORPTION





www.pentapharma.hu



CONTACT US:

Let's make great business together! Contact our export sales manager still today: András RÁCZ
Penta Pharma Zrt.
Phone/Whatsapp: +36-20-448-0939
E-mail: racz.andras@pentapharma.hu
Commercial office: 1117 Budapest,
Budafoki út 91-93.

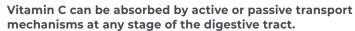
DISTRIBUTE OUR GREAT PRODUCTS
AND HIT SUCCESS WITH US!

Novo C

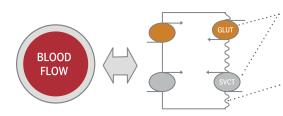
LIPOSOMAL VITAMIN C

DIGESTIVE SYSTEM

Vitamin C has as much time to be absorbed as it passes through the digestive system and is excreted.





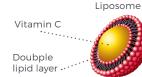


Active transport: active substances enter the bloodstream through sodium channels and glucose transporters. Sodium channels permeability, performance is limited. Energy demanding process.

Passive transport: active substances pass through cell membranes and enter the bloodstream. It doesn't require energy investment by the body.

LIPOSOME

The cell and the liposome are surrounded by the same type double lipid layer that attracts each other. Liposomes may deliver the drug to the cells by membrane fusion, so that the amount of released drug is not limited.



CELL MEMBRANE FUSION



1. Active ingredient in a liposome



2. The liposome approaches the cell wall

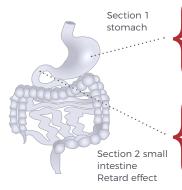


3. Fusion of liposome abd cell wall



4. The drug is released into the cell

ABSORPTION



- some of free vitamin C molecules and vitamin C molecules encapsulated in liposomes are absorbed

- → "boost" increase in vitamin C levels
- → appears in the bloodstream as soon as possible

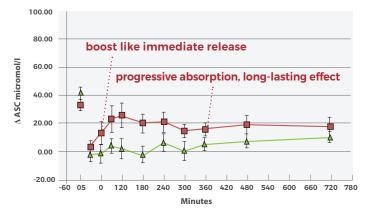
- other part of the vitamin C molecules encapsulated n liposomes also transfer their contents in the stomach o the cells by membrane fusion.

- progressive absorption
- → long-lasting effect

LONG-LASTING EFFECT

Increase of ascorbic acid concentration in blood

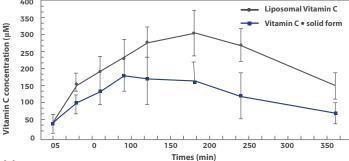
(base and dose normalized values)



The long-lasting effect compared to the conventional formulation means that it is absorbed later in the digestive system, releasing the active ingredient content continuously over a prolonged period of time. Not only longer release can be expected from liposomes (absorbed from the stomach and small intestine), but in the case of vitamin C, due to the specific absorption mechanism of the liposome, higher fraction of vitamin C content is utilized and higher plasma levels can be achieved as with traditional formulations.

BIOAVAILABILITY

Bioavailability is the rate and speed at which a drug is released and absorbed from a formulation and is available in the bloodstream.



high bioavailability

In about the 3rd hour after ingestion, blood levels of Vitamin C are high, a large amount can be absorbed in a unit of time and can stay in the bloodstream for a long time.

NOVO C® appears soon after the launch in the bloodstream because it is absorbed by membrane fusion.

NOVO C® can be efficiently absorbed thanks to liposomal technology, resulting in a very high vitamin C blood levels.

NOVO C[®] is present in the bloodstream for a long time.

Novo C [®] plus				
Composition	300 mg Vitamin C 20 mg Rosehip extract 20 mg Citrus Bioflavonoids	Dosage	Children above 6 years: 1-2 soft gels daily Adults: 1-4 soft gels daily	
Purpose of use	To cover the daily vitamin C need	Sugar	ar free lactose free	
Age recommendation	From the age of 6			
Packaging	30, 60, 90 pcs soft gel capsules	glute	en free preservative free	



Novo C[®] komplex 300 mg Vitamin C Children above 20 mg Rosehip extract Composition 20 mg Citrus Bioflavonoids 6 years: 1-2 soft gels daily Dosage 1000 Vitamin D3 Adults: 1-2 soft gels daily 10 mg Zinc To cover the daily vitamin C Purpose of use need in the autumn-winter period lactose free sugar free Age From the age of 6 recommendation preservative gluten free

30, 60, 90 pcs

soft gel capsules

Packaging

Novo C[®] plus forte

Composition	600 mg Vitamin C 25 mg Rosehip extract 20 mg Citrus Bioflavonoid	Dosage
Purpose of use	In case of increased vitamin C need	
Age recommendation	From the age of 8	

Packaging

60 pcs soft gel capsules

sugar free



Children above

6 years: 1-2 soft gels daily

Adults: 1-2 soft gels daily

lactose free



gluten free



preservative



Novo C® komplex forte

Composition	600 mg Vitamin C 25 mg Rosehip extract 20 mg Citrus Bioflavonoids 1000 Vitamin D3 20 mg Zinc	D
Purpose of use	In case of increased vitamin C need in the autumn- winter period	ſ
Age recommendation	From the age of 8	((
Packaging	60 pcs soft gel capsules	ŀ

Dosage

Children above 8 years: 1-2 soft gels daily Adults: 1-2 soft gels daily



sugar free



lactose free



gluten free



preservative

Novo C [®] 1000 mg				
Composition	1000 mg Vitamin C	Dosage	5 ml 1-2 times c	laily
Purpose of use	To cover the daily vitamin C need in the autumn-winter period		掛	
Age recommendation	Adults	sugar free	gluten free la	actose free
Packaging	150 ml liquid		preservative free	vegan



Novo C [®] multivitamin			
Composition	24 Types of active ingredients with vitamins, minerals, trace elements, Q10 and beta-glucan	Dosage	1 soft gels daily
Purpose of use	A one-month multivitamin dose with vitamins, minerals, trace elements, Q10 and beta-glucan	suga	ar free lactose free
Age recommendation	From the age of 12	glute	en free preservative free
Packaging	30 pcs soft gel capsules		

Novo C[®] kids plus 1-3 years: 1x1 ml daily 250 mg Vitamin C 3-6 years: 1x2 ml daily Composition Dosage 1,3 mg Elderberry extract over 6 years 2x2 ml daily For children to cover the Purpose of use daily vitamin C need sugar free gluten free lactose free Age From the age of 1 DO recommendation 100% Packaging 120 ml liquid alcohol free preservative free vegan



Novo C® kids multi

Composition	16 types of active ingredients with vitamins, inulin and omega-3 fatty acids	Dosage
Purpose of use	For children to cover the most common vitamin deficiency states	sugar fro
Age recommendation	From the age of 1	

120 ml liquid

Packaging

ugar free

alcohol free





1-6 years: 1x5 ml daily

over 7 years 2x5 ml daily



gluten free





vegan

colorant free