FERRO *Act*

MANY NEEDS, ONE ANSWER

TARGET

Increased need (pregnancy, lactation, growth, aging)
Decreased intake or absorption (vegetarian/ vegan diets, malabsorption disorders, drug interactions)
Increased loss (menorrhagia, bleeding, post-surgery)

DESCRIPTION

Ferro ACT contains SunActive® Fe, a clinically tested microencapsulated iron salt with high bioavailability and without unpleasant aftertastes.

PHARMACEUTICAL FORM

CREATING INNOVATION

WHY IN SOFTGEL ?

- **Better bioavailability** and therefore a **greater effectiveness** of the active ingredients.
- Softgel coatings allow active ingredients to pass through the low-pH gastric environment.
- Since softgels are completely sealed, they allow the **ingredients to be better protected from moisture and oxygen.**
- Softgels can confer an **additional degree of protection** especially for those patients (pregnant women) for whom **taste compliance** is fundamental.
- Softgels cause **less discomfort** in the stomach compared to other forms.
- Softgels are the most flexible product form as they **facilitate swallowing** also for children or elderly patients.
- The **release of the active ingredients happen much faster.**

MICRONIZED AND MICROENCAPSULATED DISPERSIBLE IRON

SunActive® Fe

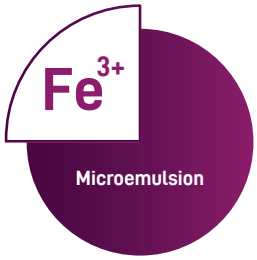
PATENTED TECHNOLOGY - CLINICALLY TESTED

The iron pyrophosphate is **microencapsulated** with a microemulsion, obtaining particles that do not allow the iron ion to enter in direct contact with the gastric and intestinal mucosa.

Masking of unpleasant iron taste and flavour

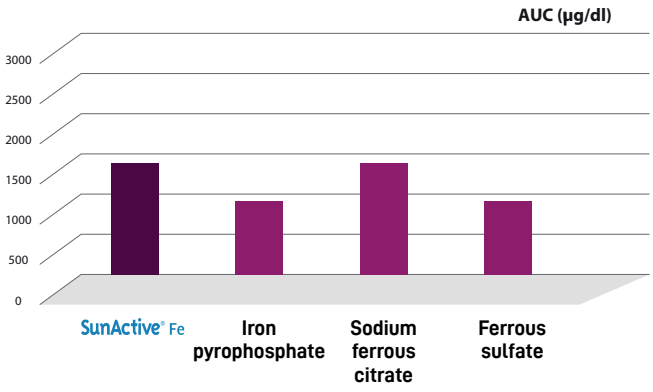
No irritation on stomach

No gastrointestinal disorders



SunActive® Fe is a super micronized iron with very low particle size.
This higly reduced particle size results in:

- **Sustained release in the intestine for high absorption**
- **Much higher bioavailability**
- **High biological value**



PARTICLE SIZE MATTERS

A COMPARATIVE STUDY OF TRANSPORT OF ENCAPSULATED IRON THROUGH M CELLS (2022)

The objective of this study was to determine the intestinal absorption mechanism of three encapsulated iron preparations **SunActive® Fe, Lipofer® and Sideral®**, employing the in vitro models of Caco-2 monolayer and human FAE, representing the intestinal endothelial and M cells in PPs, respectively. This study was essential to independently understand the underlying mechanism and validate the claims about the three major FePP formulations being transported by M cells. The result demonstrated that SunActive® Fe was transported fundamentally through M cells. In the present study percent of iron transported was greater from **SunActive® Fe at 39.99** % when compared to the percent of iron transported by **Lipofer® and Sideral®,**
which was 0.48 % and 10.26 % respectively.

BOOST YOUR PRODUCT

VITAMIN C
Vitamin C increases iron absorption.
(official EFSA claim)

FOLIC ACID
Folate contributes to normal blood formation.
(official EFSA claim)