

# pep2dia



✓  
BLOOD SUGAR  
MANAGEMENT

✓  
CLINICALLY  
PROVEN

✓  
PATENTED

✓  
REGULATORY  
APPROVED

Live good today  
Live better tomorrow



Live good today  
Live better tomorrow

## TYPE 2 DIABETES: PREVENT BEFORE IT IS TOO LATE



Overweight, genetics, age, hypertension, are risk factors, among others, of developing diabetes. In 2021, **541 million people worldwide were at risk of getting type 2 diabetes**. 80% of those prediabetic people will develop type 2 diabetes within 5 to 10 years if nothing is done<sup>1</sup>.

Diabetes can have consequences on health: it can affect the eyes, kidneys, feet, cause heart conditions or strokes.

However **type 2 diabetes can be avoided by managing it at prediabetic stage. Prediabetes is reversible.**



A patented bioactive that helps  
regulate blood sugar levels  
after meals

**Pep2Dia® is a whey protein hydrolysate** containing an active **dipeptide AP**, to help prevent type 2 diabetes through effective blood sugar control.

**Milk products** consumption has been known for a long time to **reduce the risk of type 2 diabetes**<sup>2</sup>. Seeking to understand which milk components could be involved, French researchers have **discovered an active dipeptide AP, and its inhibitor effect on the  $\alpha$ -glucosidase enzyme**.

The  **$\alpha$ -glucosidase** breaks down polysaccharides into glucose. Inhibiting this digestive enzyme with the dipeptide AP lowers glucose absorption into the blood stream.

Living with healthy blood sugar levels, thanks to a natural and efficient ingredient, **is now possible with Pep2Dia®!**

<sup>1</sup> IDF Atlas 2019, IDF Atlas 2021

<sup>2</sup> Chen M et al. Dairy

Consumption and risk of type 2 diabetes. BM Med 2014; 12 : 215



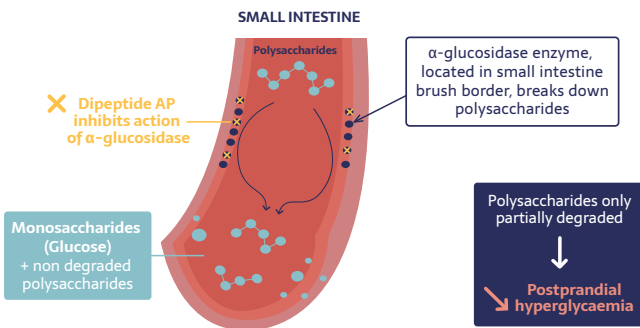
# Scientifically proven efficacy

Preclinical and clinical studies have proven the efficacy of Pep2Dia® in reducing blood sugar levels after meals.

## INHIBITION OF α-GLUCOSIDASE ACTIVITY<sup>3</sup>

The α-glucosidase breaks down polysaccharides into glucose. Inhibiting this digestive enzyme **lowers glucose absorption into the blood stream.**

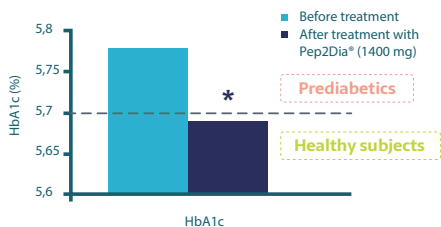
**Pep2Dia®'s dipeptide AP has an inhibitor effect on the α-glucosidase enzyme.**



## CLINICAL STUDY ON 21 SUBJECTS WITH GLUCOSE INTOLERANCE<sup>4</sup>

1400 mg of Pep2Dia® daily before lunch for 6 weeks. **No dietary and lifestyle habits changes.** Glycated hemoglobin (HbA1c) is a key parameter to diagnose diabetes and glucose intolerance.

### REDUCTION OF THE GLYCATED HEMOGLOBIN (HbA1c) LEVEL IN PREDIABETICS



\* p=0.0244 (Wilcoxon-signed-rank test) VS before treatment.

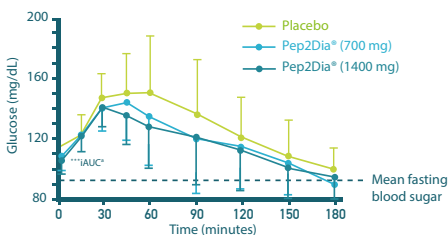
**Pep2Dia® significantly decreases the HbA1c level after 6 weeks of supplementation and does not have insulinotropic properties.**

**It lowers the risk of developing type 2 diabetes.**

## DOSE-EFFECT RESULTS ON 15 SUBJECTS WITH GLUCOSE INTOLERANCE<sup>5</sup>

Cross-over, double-blind, randomized and placebo-controlled study with 7 days washout. 3 groups: **700 mg** or **1400 mg** of Pep2Dia® or placebo.

### BLOOD GLUCOSE KINETICS



\*\*\* p<0.001 (compared to placebo).

**700 mg and 1400 mg of Pep2Dia® both reduce the iAUC and the maximum increase in glucose** (respectively -25% p<0.001, -20% p<0.01, compared to placebo).

<sup>4</sup>Incremental area under the curve

**Pep2Dia® recommended dose: 700 mg before meals**

## FOR AN EASY INCORPORATION IN APPLICATIONS



Dietary supplements



Beverages

Pep2Dia® is a very flowable powder, easy to rehydrate, stable at pH from 6 to 9, and its bioactivity is preserved when heated.

### A FOOD GRADE INGREDIENT

Authorized in different countries (USA, Europe, Asia...) NDI approved



### PRODUCED IN FRANCE

in an eco-friendly dairy cooperative

### WITH A CLEAN LABELLING



«Whey protein hydrolysate»

### SUITABLE FOR LACTOSE INTOLERANT PEOPLE

## CONTACT US

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