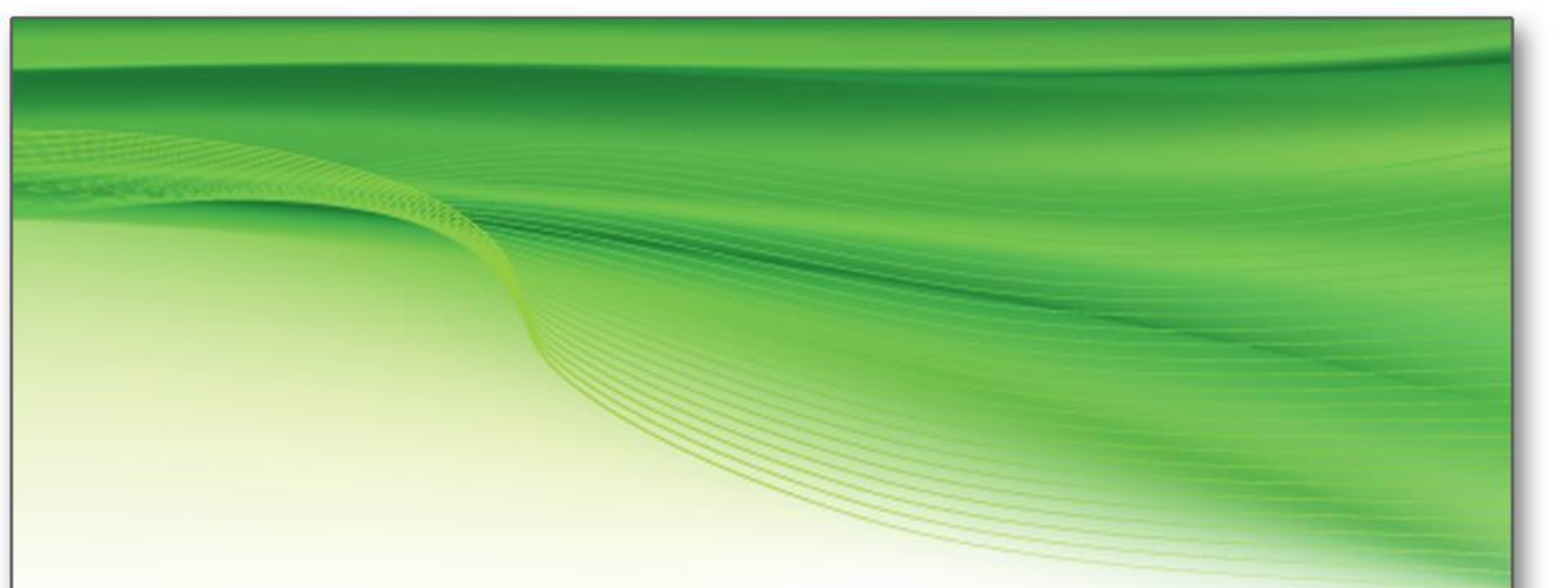




**“Impossible only means that you
haven't found the solution yet.”**

-Anonymous



Functional ingredient:

Smart protection and delivery of bioactives

STABILITY

Stable against heat, pH and oxidation in food processing

TASTE & COLOR

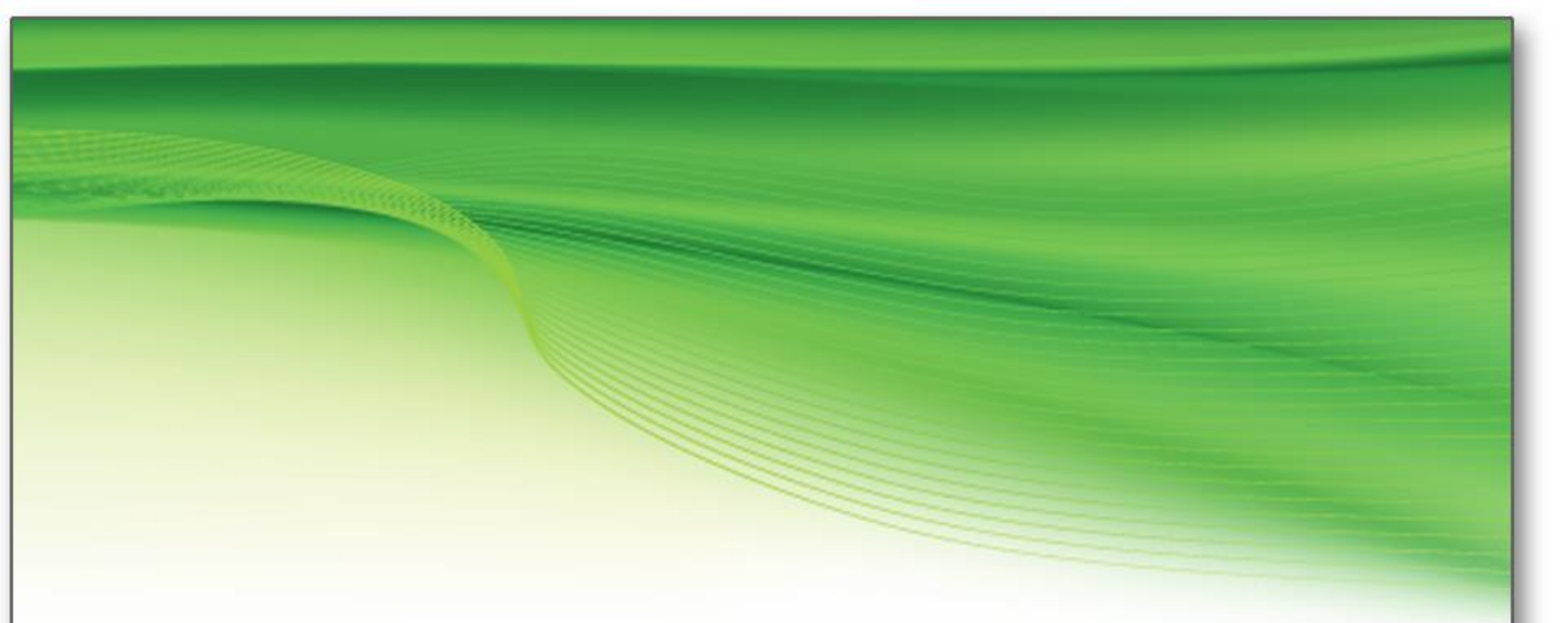
No unpleasant taste or color

BIOAVAILABILITY

High absorption and
bioavailability

Mode of release -controlled

SAFETY



Curcumin

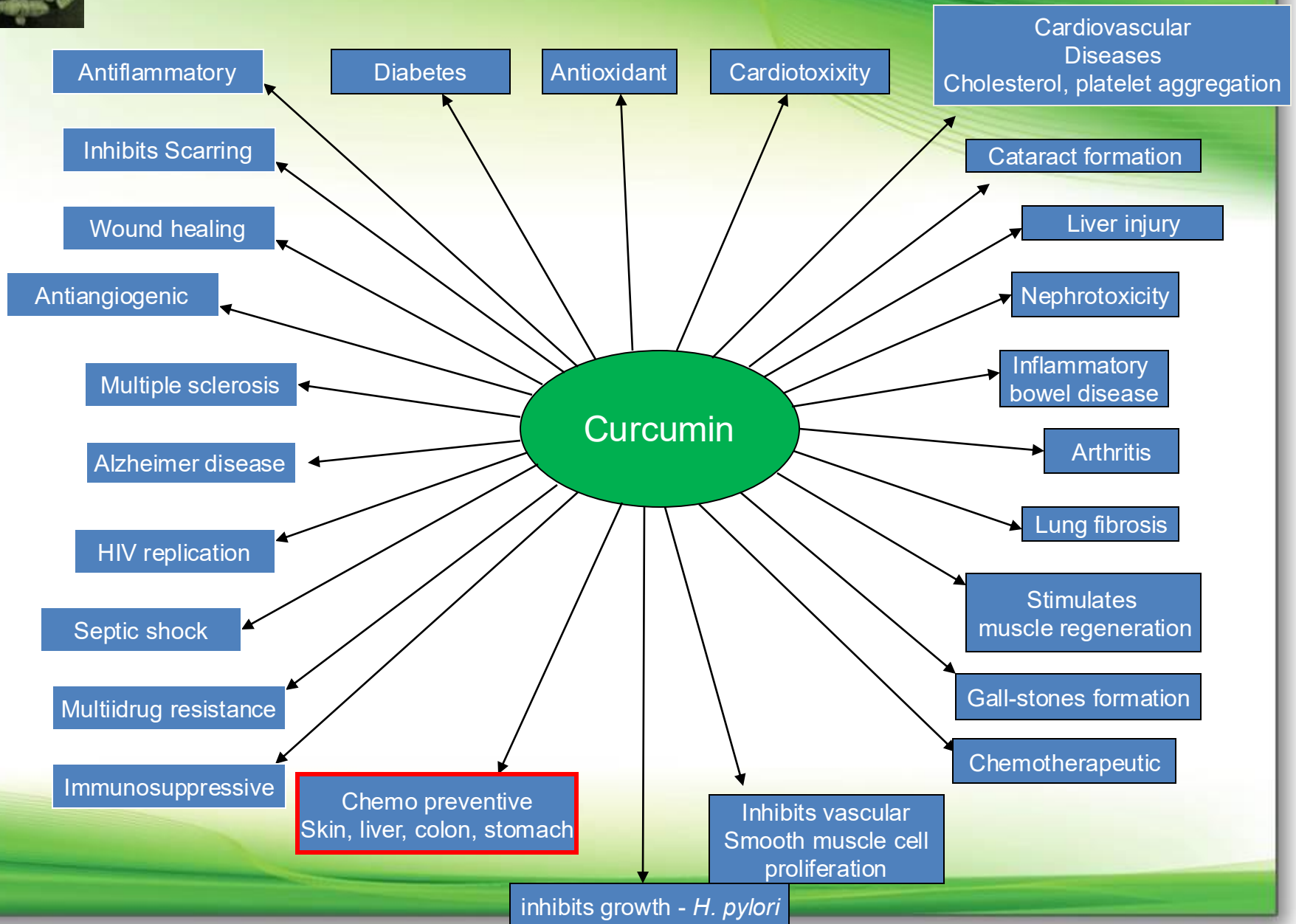
“Life consists not merely in existing but in enjoying health”

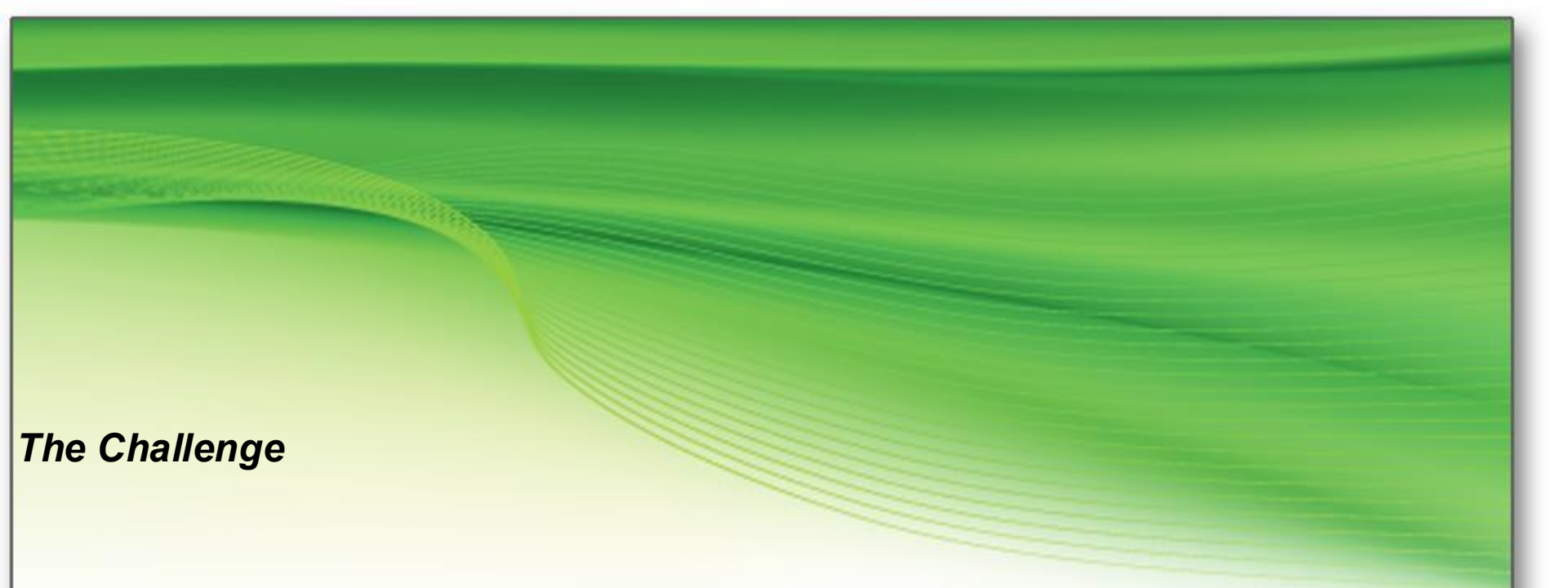
-Martial

 **F&C Licorice**
Vitality. In Every Sense



Effect of Curcumin





The Challenge

Less than 1% of the curcumin one consumes actually makes it into the bloodstream, and the liver rapidly destroys most of this.

Development of a bioavailable form of Curcumin without side effects

Encapsulated drugs

(using Curcumin as a model)

- US Provisional Patent application filed Nov 1 2010

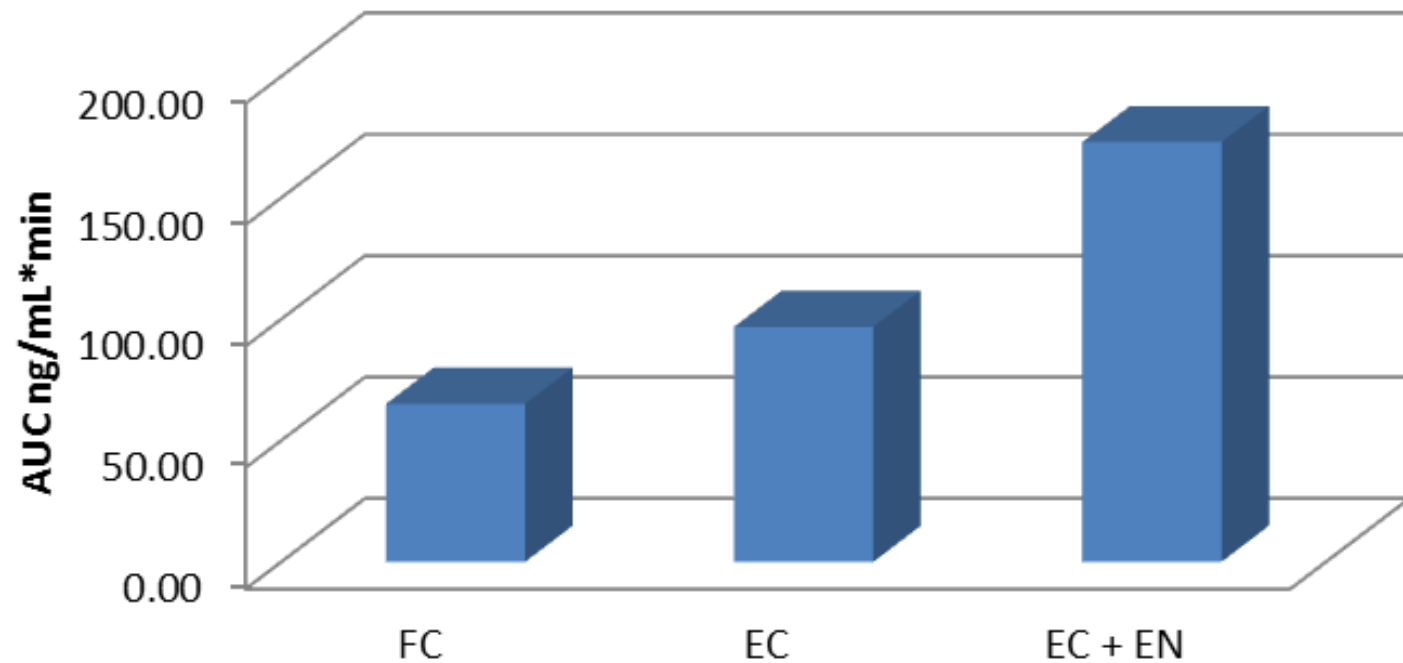
Basics of Technology

- Platform for enhancing bioavailability and delivery of biologically active compounds
- Controlled release using encapsulation technology and certain compounds
- Formulation using multilayered coating

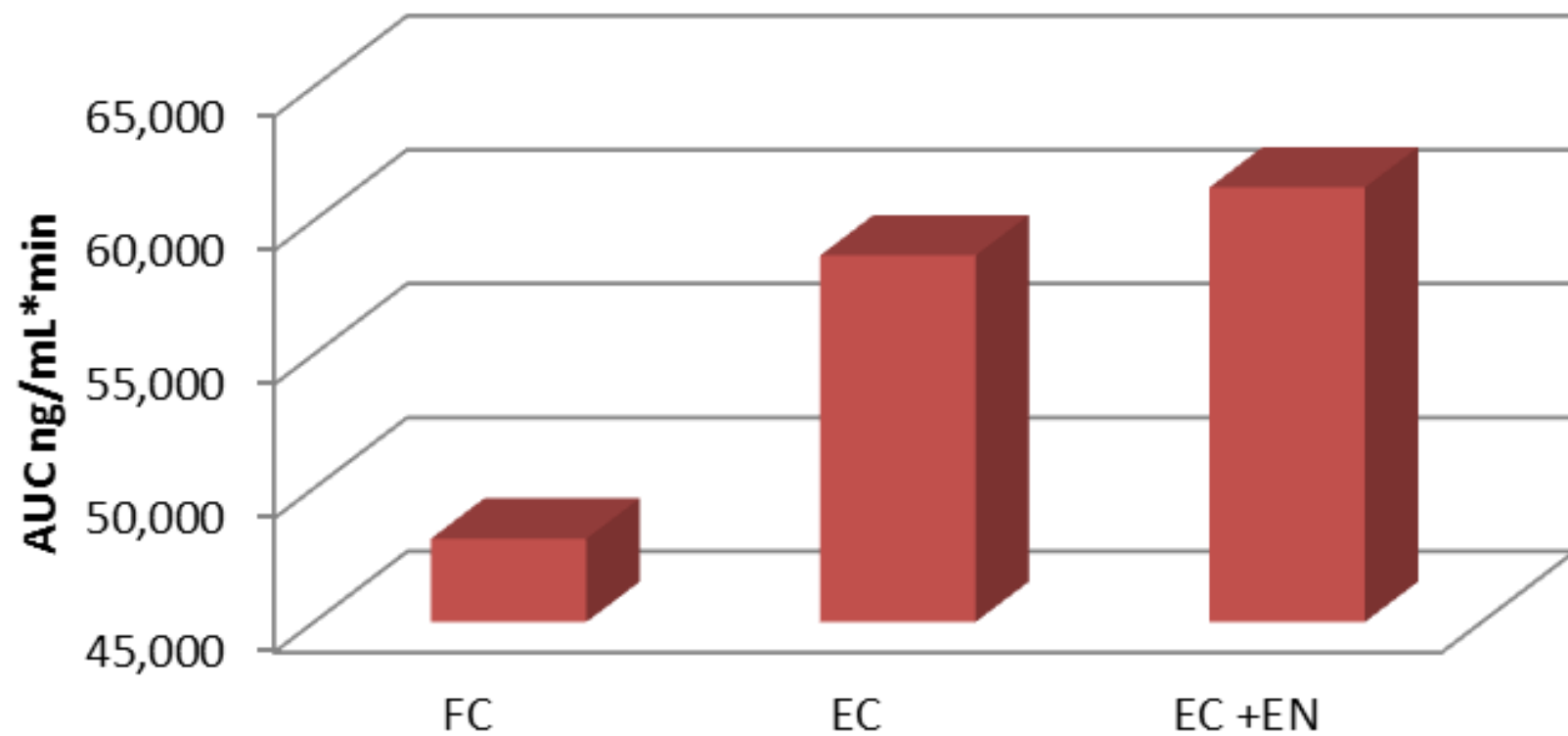
Results

- Stable product under thermal processing conditions up to 180 C
- Higher bioavailability in comparison to free curcumin as shown in Vivo

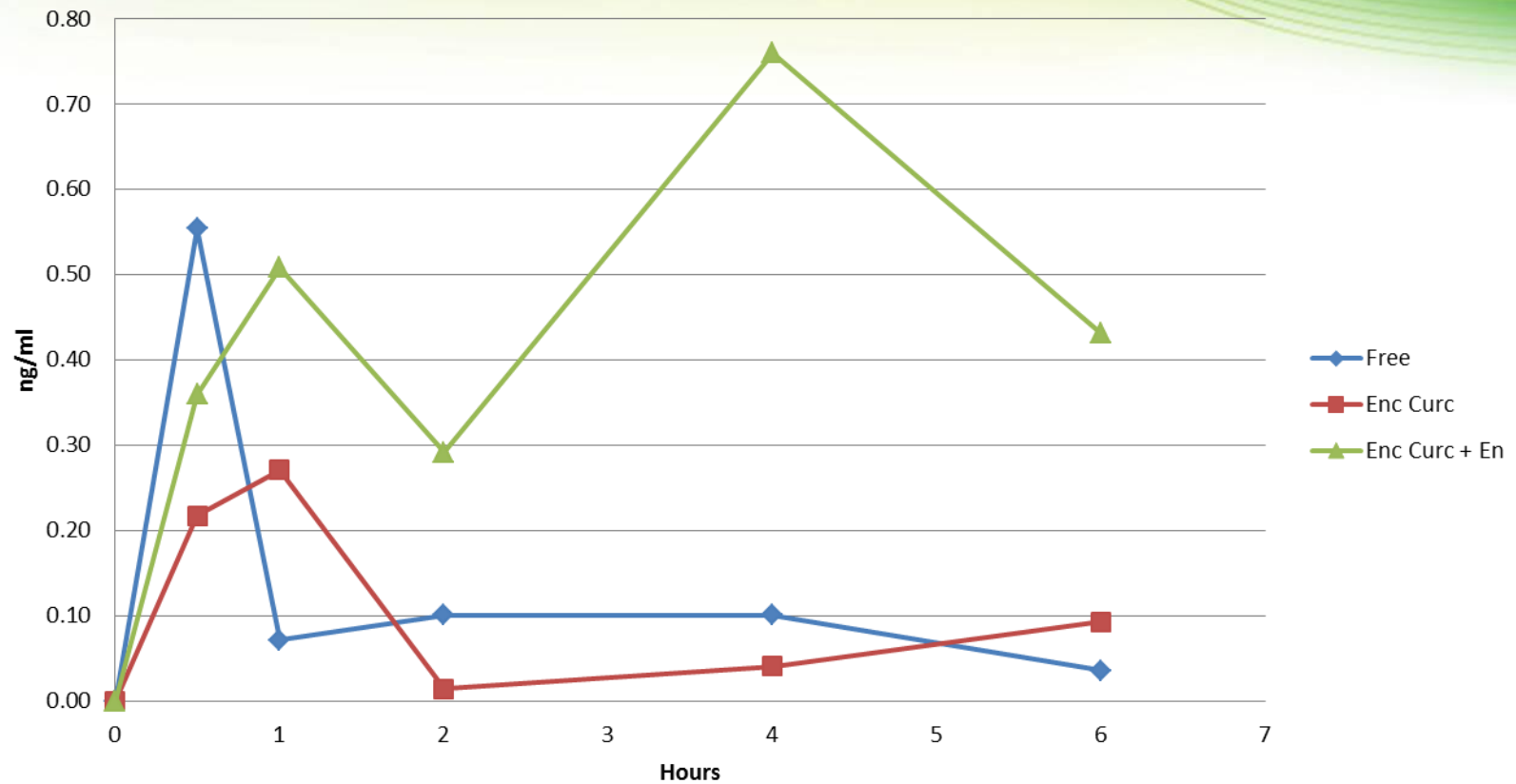
Total Curcumin metabolites Urine - 24 hours



Total Phenolic acids Urine - 24 hours



Total Curcumins Serum



Fecal excretion after 24 hours

