

## **CV247 Regeneral and CV247 Mineral antioxidant, immunostimulant, food supplement capsules**

The story of the **human** food supplement CV247 preparations started in the **British veterinary** field. Owners of dogs affected with cancer demanded a side effect free, gentle and affordable treatment for their pet, instead of or to follow up conventional antitumour treatment (surgical, chemo- or radiotherapy) for the improvement of survival time and quality of life.

A team of vets and cancer research (CRUK) workers have developed and tested in 120 pet dogs affected with histologically confirmed cancer a solution of simple, well tolerated substances possessing antioxidant, immunostimulant properties capable of reducing free radicals and reactive oxygen molecules and of improving the immune reaction against malignant processes in the body. The solution contains Vitamin C, a non-irritant (Sodium) salicylate, and 2 trace elements involved in biochemical reducing processes in an easily absorbed organic (gluconate) bond: copper and manganese.

After satisfactory treatment results, encouraging antitumour efficacy experiments in mice and in human cancer cell cultures, and statutory toxicity tests in Beagle dogs showing no side effects clinically and post-mortem even after double therapeutic twice daily doses given for 6 months, CV247 is being used in **veterinary practice on individual prescription** in the United Kingdom. After the documentation of a further clinical study of 21 cancer cases in **Hungary** CV247 has been registered there for **prescription-free veterinary use** as a „Substance with Therapeutic effect” suitable for marketing, at least in the EU.

The well being, the improvement of quality of life and survival in the treated animals was so frequent, rapid and marked, that **in the United Kingdom human clinicians** became interested and after several licensed clinical studies or individual treatments of numerous advanced cancer cases on voluntary, compassionate basis doctors use CV247 **under „off label” prescription** for the improvement of quality of life and survival time or to follow up conventional treatment for the prevention of recurrence of cancer, **without side effects solely attributable to CV247**. The solution format has been replaced by a capsular presentation for three of the components, while the Sodium salicylate was to be taken simultaneously in tablet form.

**At Budapest Semmelweis Medical University** the antioxidant, free radical reducing effects of CV247 was biochemically immunologically and histologically demonstrated in a controlled experiment in rats. A remarkable reduction in kidney damage normally caused by *cisplatin* chemotherapy was also observed after CV247 follow-up treatment which is under publication in „Human and Experimental Toxicology”.

**At a global chemosensitivity** testing service ([www.rgcc-genlab](http://www.rgcc-genlab)) in human cancer cell cultures a considerable enhancement of the antitumour effect of *cisplatin* (synergism) was caused by CV247 co-administration.

It was effective on its own in 245 tests made on 1314 patients. In cancer cell studies it impeded cell division and induced cell death (apoptosis).

**In Hungary** the sale and „off label” voluntary use of unregistered preparations is not allowed. Therefore **for human use** CV247 could only be registered as a „food supplement” in a capsular presentation under the new name of “**CV247 Regeneral**” after modifications made by a Hungarian manufacturer. These included the substitution of the salicylate component with a similarly acting flavonoid and the reduction of the copper content to the EU recommended daily intake value.(which has recently been increased since) The description of its use was to be restricted as immune stimulant, antioxidant roborant for **the prevention** of potentially harmful biochemical oxidative processes

The British made **capsular component** of “full original” CV247 (normally to be supplemented with a separately supplied and taken Sodium salicylate tablet component), **on its own** has now become also registered as food supplement according to recently increased EU guidelines. It has therefore been successfully registered **in Hungary** under the new name of „**CV247 Mineral**” for the **control and reduction** of harmful biochemical oxidative processes to be used for aiding recovery after illness, surgical or medical intervention or loss of condition. It can be taken together with flavonoids (based on the “Regeneral experience”), and also by those who take regularly on medical advise enteric absorbing Aspirin (based on the “Na salicylate experience”) without harmful effects.

**The two preparations are officially registered with the following properties:**

**Manganese** participates in the defence of the body against the harmful effects of free radicals, the metabolism of proteins, carbohydrates and lipids and in energy processes. It contributes to the maintenance of the integrity of the structure of bones.

**Copper** suppresses antioxidant processes. It participates in energy production in the transport of iron, in the metabolism of cholesterol and glucose and in the pigmentation of hair and skin. It is necessary for the correct functioning of the immunological defences of the body.

**C-vitamin** contributes to the reduction of harmful antioxidant processes and aids the immunological processes of the body,

**Citrus flavonoid** as an antioxidant participates in the defence of cells against the harmful effects of free radicals thereby delaying their aging process.

**All these can be achieved with a healthy lifestyle and correct nutrition.**

**Available without prescription** from pharmacies, health shops or from [www.ivymedical.hu](http://www.ivymedical.hu) webshop.

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