



## CM-Glucan Granulate

The repair and defense molecule



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### Biologically Active $\beta$ -Glucan for Pre / Post-treatment

CM-Glucan Granulate is a derivative of  $\beta$ -glucan, a natural polysaccharide having immune-enhancing properties. The biological activity of  $\beta$ -glucan is determined by its molecular structure which depends on its origin (yeast, oats, wheat, fungi).  $\beta$ -glucan coming from yeast was shown to have the most potent immune-enhancing capability.

Yeast  $\beta$ -glucan can stimulate our immune system by enhancing the activity of macrophages and other immunocompetent cells. Besides, it is able to accelerate tissue repair.

$\beta$ -glucan isolated from yeast is insoluble in water and therefore not suitable for topical use. Thus, Mibelle Biochemistry has developed a process to offer CM-Glucan Granulate, a biologically active  $\beta$ -glucan derivative which:

- keeps the same biological activity as  $\beta$ -glucan
- is highly purified
- is water-soluble.

Numerous clinical studies have shown the benefits of CM-Glucan Granulate on skin exposed to intense stresses comparable to that experienced during non-invasive cosmetic procedures.

- Applied before stress, CM-Glucan Granulate substantially protects the skin from aggression by preserving its barrier function and hydration level.
- Applied after stress, CM-Glucan Granulate accelerates skin recovery and reduces irritation.

### Claim Ideas for CM-Glucan Granulate

- Increases the skin's self-protecting capacity
- Accelerates skin recovery
- Restores the skin's moisture barrier

### Applications

- Dermo-cosmetics
- Pre and post-procedure formulations
- Skin care for highly sensitive, damaged skin
- Sun and after-sun care

### Formulating with CM-Glucan Granulate

- Recommended use level: 0.02–0.1 %
- Incorporation: Dissolve CM-Glucan Granulate into the aqueous phase.
- Thermostability: Temperatures of 80°C do not affect the stability of CM-Glucan Granulate.

### INCI / CTFA-Declaration

Sodium Carboxymethyl Betaglucan

### Additional Information

- Available in different forms (liquid, powder)
- Registered in Japan before the 2001 modification of the Japanese cosmetic regulations