Infection Defenses

Susceptibility to infections depends upon the status of the immune system. The goal of treatment with homeopathic combination preparations such as Engystol/N is to activate and support the endogenous defense mechanisms, i.e., to strengthen the infection defenses.

Basic research, clinical trials and post marketing drug monitoring studies document the therapeutic and the prophylactic benefits of Engystol/N in cases of:

- Infections with fever
- Flu
- RSV infections
- Corticosteroid-dependent asthma

**Antiviral Activity**

Basic research studies revealed a dose dependent antiviral activity of Engystol in vitro against Adenovirus Type 5 of almost 60%. A slight antiviral activity also was demonstrated against RSV (Respiratory Syncytial Virus).

**Demonstrated Efficacy**

Post marketing drug monitoring studies of Engystol tablets® and Engystol N injection solution® demonstrate that both dosage forms exhibit excellent tolerability and efficacy.

The onset of action of Engystol N injection appears to be slightly faster than that of the tablet form. However, regardless of which dosage form is used, the level of symptom improvement will be the same after 4 days.

Engystol and Engystol N achieved a “good” to “very good” therapeutic result in over 88% of patients.

**References:**
9. Post marketing drug monitoring studies of Engystol tablets® and Engystol N injection solution® demonstrate that both dosage forms exhibit excellent tolerability and efficacy.

**Infection Defenses**

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**References:**
Pharmacological Aspects

The exact mechanism of action of Engystol is still under investigation. In vitro tests have demonstrated that Engystol stimulates the phagocytic activity of human granulocytes up to 30% above control cultures. This effect was further enhanced to 41% by applying a 1:1 mixture of Engystol and Gripp-Heel®.

The effectiveness of Engystol is probably not due to a direct immunomodulation of granulocytes. An indirect effect mediated by simultaneous activation of T-lymphocytes and cytokines released from other immunocompetent cells appears more likely.

Engystol® Tablets
Composition: 1 tablet cont.: Vincetoxicum hirundinaria D6, Vincetoxicum hirundinaria D10, Vincetoxicum hirundinaria D30 75 mg each; Sulfur D4, Sulfur D10 37.5 mg each. Indications: To activate the non-specific defense mechanisms, particularly in the case of influenza and questionable viral diseases. Contraindications: None known. Side effects: None known. Interactions with other medications: None known. Dosage and method of administration: In general, 1 tablet to be dissolved in the mouth 3 times daily. Package sizes: Packs containing 50 and 250 tablets.

Engystol® N Injection solution
Composition: 1.1 ml cont.: Vincetoxicum hirundinaria D6, Vincetoxicum hirundinaria D10, Vincetoxicum hirundinaria D30 6.6 µl each; Sulfur D4, Sulfur D10 3.3 µl each. Indications: To activate the non-specific defense mechanisms, particularly in the case of influenza and questionable viral diseases. Contraindications: None known. Side effects: None known. Interactions with other medications: None known. DOSAGE and method of administration: In acute disorders 1 ampoule daily, otherwise 3-1 times weekly i.m., s.c., i.d., i.v. Package sizes: Packs containing 10, 50 and 100 ampoules of 1.1 ml.

Dosage recommendation:
Acute: 1 ampoule Engystol N or 1 tablet Engystol every 15 minutes for a max of 2 hours ...recommended at the onset of infection.
General: 1 ampoule Engystol N 1 to 3 times weekly or 1 tablet Engystol 3 times daily ...recommended after alleviation of symptoms and for prophylaxis and chronic treatment.

Very well tolerated
Suitable for long term treatment
No side effects, contraindications or interactions known