

Hyaluronidase (HDSE)

Liofilized powder 1500 UI

The dose, rate of use and type of solution should be individualized.

Don't use HDSE into inflamed or infected area.

The potential incompatibilities with other products should be kept in mind.

Allergy test is absolutely essential before every use.

Allergy test

HDSE 1500 UI diluted in 10 ml saline solution.

1 mL contains up to 150 UI HDSE

HDSE 0.1ml (15 UI) is injected subcutaneously to the forearm.

Wait 20 minutes and start to analyse the test.

Reactions: **itching, swelling, redness or other allergy reactions**

signifies that the patient should not receive HDSE.

Keep the patient under control for an average of 60 minutes.

Check other symptoms: **respiratory distress, nausea, vomiting, hypotension, pain.** Those reactions require immediate medical treatment.

Adverse effects from soft tissue augmentation*

Early (occurring up to one week after injection)

- Injection site reactions (bruising, swelling, erythema)
- Infections
- Nodules/asymmetry
- Vascular compromise

Delayed (occurring weeks to years after injection)

- Infection
- Granuloma formation
- Biofilm formation

* Adapted from Glashofer MD, Flynn TC. Complications of temporary fillers. In: Carruthers J, Carruthers A. Soft Tissue Augmentation. Toronto: Elsevier Saunders; 2013:179-187.

Standard dilution HDSE

④ HDSE 1500 UI diluted in ④ mL saline solution

⑧ HDSE 1500 UI diluted in ⑧ mL saline solution

Do not keep vial once opened. No study has been done to proof HDSE activity once diluted in saline solution and kept more than 24 hours

HDSE is reducing the risk of necrosis after injection of HA fillers ④

Maximum effect could be achieved in 2-4 hours after injection of HA fillers. A late injection of HDSE did not reduce the size of necrosis

(Kim DW and etc 2011, J Plastic Reconstructive Aesthetic Surgery, 2011)

HDSE helps to treat excess Hyaluronic acid filler ④

0.02 - 0.1 mL HDSE (maximum 37.5 UI HDSE/point)

Target: depends of the HA placement

HDSE to solve Tindall Effect ④

0.02 mL HDSE (aprox. 7.5 UI HDSE/point)

Granuloma ④

0.05 - 0.1 mL HDSE (maximum 37.5 UI HDSE/point)

Target: depends of granuloma localization and size

HDSE correction of HA fillers injected in meso technique ⑧

0.01 - 0.02 mL HDSE (maximum 1.8-3.75 UI HDSE/point)

Target: depth depends of the HA placement

HDSE to treat Fibrosis ⑧

0.1 mL HDSE (maximum 18 UI HDSE/point)

Target: into fibrotic areas, and then perform a soft massage

Post Lipoplasty Use of HDSE ⑧

0.1 - 0.5 mL HDSE (maximum 18-93 UI HDSE/point)

Target: into fibrotic areas, and then perform a soft massage

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AID INFO



Hyaluronidase
1.500 UI

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