

Diphtheria Antitoxin I.P.



Diphtheria is a serious bacterial infection that can be fatal



Diphtheria affects the mucous membranes of the throat and nose.

Diphtheria Antitoxin gives passive immunity to persons having no or minimal immunity against the toxin formed by *Corynebacterium diphtheriae*, the causative organism of Diphtheria

**Newly introduced (FD)
 Freeze Dried Product**



Diphtheria Antitoxin is produced at India's only WHO-GMP approved equine farm and manufacturing facility

INDICATIONS:

Diphtheria Antitoxin gives passive immunity to persons having no or minimal immunity against the toxin formed by *Corynebacterium diphtheriae*, the causative organism of Diphtheria.

FOR TREATMENT:

Route of administration-

The IV route is the preferred route of administration of Diphtheria Antitoxin, especially in severe cases. The antitoxin dose should be mixed in 250 -500 mL of normal saline and administered slowly over 2-4 hours, closely monitoring for anaphylaxis. It may be given IM in mild or moderate cases.

The recommended Diphtheria Antitoxin treatment Pediatric and Adult DAT Doses

Diphtheria clinical presentation	DAT dose (units)
Pharyngeal or laryngeal disease of 2 days duration	20,000 - 40,000
Nasopharyngeal disease	40,000 - 60,000
Extensive disease of 3 or more days duration, or any patient with diffuse swelling of neck	80,000 - 100,000
Skin lesions only (rare case where treatment is indicated)	20,000 - 40,000

In addition, antibiotics & corticosteroids may be administered.

Diphtheria Antitoxin I.P (F.D.)

Advantages of Freeze Dried product

- No need of maintaining refrigerated storage conditions
- Higher shelf life

DOSAGE AND ADMINISTRATION:

Diphtheria Antitoxin is given as soon as clinical evidence of diphtheria appears without waiting for bacterial isolation as patient condition may deteriorate rapidly. The therapeutic dose is determined by site & size of membrane formation, severity & duration of disease. Antibiotics can stop spread of bacteria and eliminate them, however, they cannot neutralize diphtheria toxin and hence not a replacement of antitoxin.

For prophylaxis - The use of Diphtheria Antitoxin is generally not recommended for prophylaxis as its protective effect is of short duration (1 to 2 weeks only) & furthermore, it may cause sensitization to horse sera.

PRESENTATION:

Liquid and Lyophilized (Freeze Dried)

STORAGE:

Liquid: It should be stored at + 2 ° C to 8 ° C. Do not freeze and keep protected from heat.

Lyophilized: It should be stored in cool (<30°C) and dark place.

Shelf life:

Two years for liquid product

Three years for lyophilized product

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