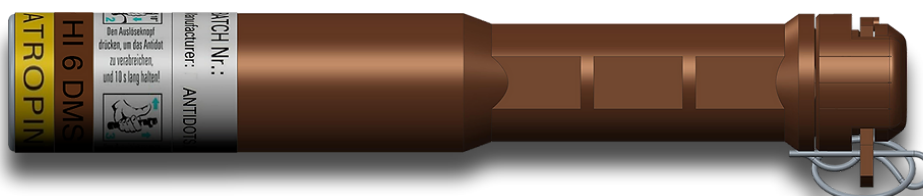


AUTOINJECTORS

Autoinjectors are used in the case of intoxication with nerve paralytic agents of types G and V (Sarin, Soman, VX, etc.). They are applied by self-help or by another person if the affected person is not able to apply the autoinjector alone.

Autoinjectors are components of medical equipment for members of security forces. The design of the autoinjector is determined by the method of use and the required number of active substances.

Two-Chamber Autoinjector AI20A



Composition of AI20A

First chamber:	Obidoxime chloride (AChE reactivated)	220 mg / 2 ml
Second chamber:	Atropine sulfate (anticholinergic medicine)	2 mg / 2 ml

Technical Data

Length of autoinjector	140 mm
Maximum diameter of autoinjector	21 mm
Length of medicine pad	69 mm
Maximum insert diameter	20 mm
Length of the extended needle	20 mm
Weight of autoinjektor	70 g
Application time	<10 s

NATO Stock Number (NSN): 6505-16-008-4361

Manufactured according to Good Manufacturing Practice (GMP)

MB Pharma s.r.o.
Lužická 1893/9, 120 00 Prague,
Czech Republic
mbpharma@mbph.cz
www.mbph.cz

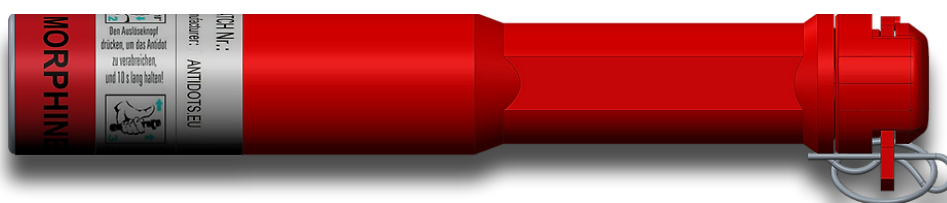
OLD and RICH spol. s r.o.
section Antidote Protection
Drtinova 343/18, 150 00 Prague
Czech Republic
www.antidoteprotection.com

AUTOINJECTORS

AI 1M aids people with severe pain wounds. It allows a dose of 10 mg (20mg), which will generally provide adequate analgesia for 70 kg (154 lb) for adults.

The onset of analgesia is usually within 5 to 20 minutes and the peak of analgesia is achieved in one hour.

One-Chamber Autoinjector AI 1M



Composition of AI 1M

First chamber:	Morphine sulphate	20 mg / 2 ml
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Technical Data

Length of autoinjector	140 mm
Maximum diameter of autoinjector	21 mm
Length of medicine pad	69 mm
Maximum insert diameter	20 mm
Length of the extended needle	20 mm
Weight of autoinjektor	70 g
Application time	<10 s

NATO Stock Number (NSN): 6505-16-007-5953

Manufactured according to Good Manufacturing Practice (GMP)

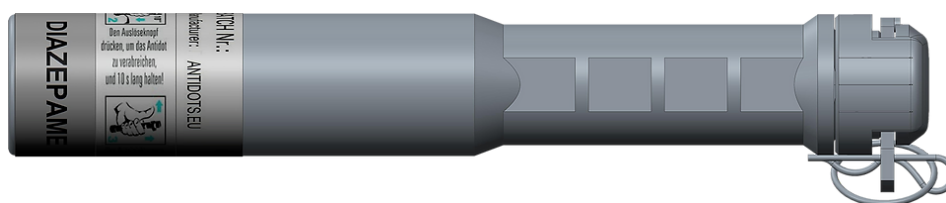
MB Pharma s.r.o.
Lužická 1893/9, 120 00 Prague,
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AUTOINJECTORS

When people are intoxicated by nervous paralytic agents, diazepam should be given after administration of the atropine re-activator. Diazepam acts through GABA receptors in the central nervous system. The physiological effect of these receptors is a decrease in the CNS function. Diazepam is therefore used for symptomatic treatment that reduces convulsions and reduces acute respiratory insufficiency. It is also used as a remedy to reduce temporary anxiety, tension, stress and restlessness that can also be caused by OP poisoning.

One-Chamber Autoinjector AI 1D



Composition of AI 1D

First chamber:	Diazepam	10 mg / 2 ml
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Technical Data

Length of autoinjector	140 mm
Maximum diameter of autoinjector	21 mm
Length of medicine pad	69 mm
Maximum insert diameter	20 mm
Length of the extended needle	20 mm
Weight of autoinjektor	70 g
Application time	<10 s

NATO Stock Number (NSN): 6505-16-007-5953

Manufactured according to Good Manufacturing Practice (GMP)

MB Pharma s.r.o.
Lužická 1893/9, 120 00 Prague,
Czech Republic
mbpharma@mbph.cz
www.mbph.cz

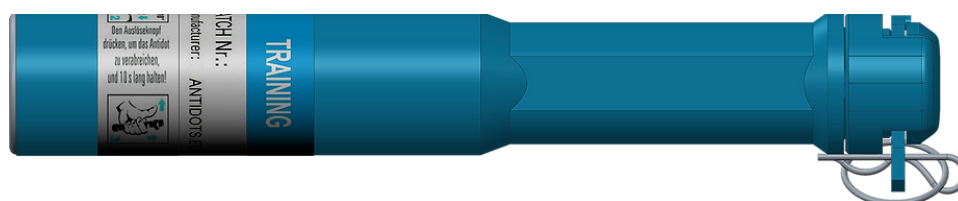
OLD and RICH spol. s r.o.
section Antidote Protection
Drtinova 343/18, 150 00 Prague
Czech Republic
www.antidote.protection.com

AUTOINJECTORS

AI T is a perfect auto-injector replica with identical trigger mechanism. The drug cushion is replaced by a special draw-bar modelling the needle ejection mechanism.

The training can be repeatedly used at least 200 times.

Training Autoinjector AI T



Composition of AI T

AI T does not contain any chemical substances. It consists only of the mechanical system simulating the functionality.

Technical Data

Length of autoinjector	140 mm
Maximum diameter of autoinjector	21 mm
Length of medicine pad	—
Maximum insert diameter	—
Length of the extended needle	—
Weight of autoinjektor	70 g
Application time	<10 s

NATO Stock Number (NSN): 6910-16-AB8-7412

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PROPHYLACTIC ANTIDOTE

Prophylactic oral antidote PANPAL provides long-term protection against the effects of nerve paralytic substances. It brings prevention in case of failure of individual protective equipment (suit, mask, etc.). Its composition secures minimal side effects.

PANPAL is used by the NATO armies.

Oral Prophylactic Antidote PANPAL



Composition

The antidote is supplied in two cups containing preparations:

PANPAL A white cylindrical tablet with a dividing groove
active substances: benactyzine hydrochloride, trihexyphenidyl hydrochloride

PANPAL B coated brown lenticular tablet
active substance: pyridostigmine bromide

Package contains 30 tablets of PANPAL A and 30 tablets of PANPAL B.

Indication

PANPAL is used for preventive administration before presumed exposure to nerve agents. It reduces the intensity of intoxication symptoms and improves the overall results of poisoning treatment. It is intended for persons at imminent risk of being affected by nerve agents, especially soman, and for persons who are to be sent to places infested with nerve agents to increase their protection in case of failure of the individual protection devices used. The onset of effect is within 15 - 30 min, the effect lasts 8 h.

Dosage:

The tablets are dosed together, one tablet of PANPAL A and one tablet of PANPAL B each time. Repeating the dose is possible at the earliest in 24 hours.