

## Desmopressin

<b>Catalog No.</b>	CRD000A CRD000B CRD000C	<b>Quantity:</b>	5 mg 25 mg 100 mg
<b>Source:</b>	synthetic		
<b>Description:</b>	<p>Desmopressin also called ADH (Anti-Diuretic Hormone) has a molecular formula of <math>C_{46}H_{64}N_{14}O_{12}S_2</math>, Mpr-Tyr-Phe-Gln-Asn-Cys-Pro-D-Arg-Gly-NH<sub>2</sub> having a Mw of 1069.23 is the first vasopressin analog with a very high and very specific antidiuretic effect, has been widely used for different therapeutic purposes and is believed to be partly responsible for the formation of memories learning and memory processes.</p> <p>Desmopressin increases urine concentration and decreases urine production.</p> <p>Desmopressin is used to prevent and control excessive thirst, urination, and dehydration.</p>		
<b>Appearance:</b>	Sterile Filtered White lyophilized (freeze-dried) powder.		
<b>Formulation:</b>	The protein (1 mg/ml) was lyophilized with no additives.		
<b>Solubility:</b>	It is recommended to reconstitute the lyophilized Desmopressin in sterile 18 MΩ-cm H <sub>2</sub> O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.		
<b>Stability:</b>	Lyophilized DDAVP although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Desmopressin should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid freeze-thaw cycles.		
<b>Purity:</b>	Greater than 98.0% as determined by: Analysis by RP-HPLC, anion-exchange FPLC, and analysis by reducing and non-reducing SDS-PAGE Silver Stained gel.		
<b>Dimers &amp; aggregates:</b>	Less than 1% as determined by silver-stained SDS-PAGE gel analysis.		
<b>Endotoxin:</b>	Less than 0.1 ng/µg (1 EU/µg) of DDAVP.		

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