

## Desmopressin - Purified

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| <b>Catalog No.:</b> | PA1216XC   |
| <b>Quantity:</b>    | 0.1 g  |
| <b>Source:</b>      | Synthetic  |
| <b>Format:</b>      | <b>State:</b> Sterile Filtered White lyophilized (freeze-dried) powder without additives<br><b>Purity:</b> >98% >98.0% as determined by both RP-HPLC and SDS-PAGE analysis<br><b>Reconstitution:</b> Restore in sterile 18MΩ·cm <sup>-1</sup> H <sub>2</sub> O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.  |
| <b>Description:</b> | Desmopressin also called ADH (Anti-Diuretic Hormone) has a molecular formula of C <sub>46</sub> H <sub>64</sub> N <sub>14</sub> O <sub>12</sub> S <sub>2</sub> , Mpr-Tyr-Phe-Gln-Asn-Cys-Pro-D-Arg-Gly-NH <sub>2</sub> having a Mw of 1069.23 Dalton, 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. Desmopressin increases urine concentration and decreases urine production. Desmopressin is used to prevent and control excessive thirst, urination, and dehydration.<br><b>Molecular weight:</b> 1 kDa |
| <b>Storage:</b>     | Prior to reconstitution store at RT for one month or desiccated below -18°C.<br>Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).<br>Avoid repeated freezing and thawing.<br>Shelf life: one year from despatch.  |