

DESMOPRESSIN

SYNONYMS	DDAVP, desmopressin acetate
BRAND NAME	MINIRIN, OCTOSTIM
DRUG CLASS	Antidiuretic hormone analogue
AVAILABILITY	Minirin ampoule contains 4 microgram/mL of desmopressin. Octostim ampoule contains 15 microgram/mL of desmopressin. Both also contain hydrochloric acid and sodium chloride. ¹ The solution is clear and colourless. ¹
pH	3.8–4.2 ²
PREPARATION	Not required
STABILITY	Store at 2 to 8 °C. Do not freeze. Protect from light. ¹
ADMINISTRATION	
IM injection	Suitable for single doses of up to 4 microgram. ¹
SUBCUT injection	Suitable. ³ Consult the pharmacist, pharmacy department or medicines information service for further information.
IV injection	For cranial diabetes insipidus inject doses of up to 4 microgram undiluted. ¹ Use a 1 mL graduated syringe (Terumo or similar) and 19 gauge needle.
IV infusion	Dilute with 10–100 mL of sodium chloride 0.9% and infuse over 15 to 30 minutes. ¹
IV use for infants and children	Dilute the dose with 10–50 mL of sodium chloride 0.9% and infuse over 15 to 30 minutes. ^{1,4}
COMPATIBILITY	
Fluids	Sodium chloride 0.9% ¹
Y-site	No information
INCOMPATIBILITY	
Fluids	No information
Y-site	No information
SPECIAL NOTES	Monitor blood pressure and pulse during IV infusion. ⁵ IV or IM doses are approximately equivalent to 10% of the intranasal dose. ¹ Small doses such as those used in cranial diabetes insipidus are given undiluted to avoid significant drug loss by adsorption. Higher doses such as those used for bleeding disorders can be diluted for IV infusion. ¹

REFERENCES

1. Product information. Available from www.tga.gov.au. Accessed 31/07/2020.
2. Medical information. pH of Minirin and Octostim [email]. Pymble, NSW. Ferring Pharmaceuticals Pty Ltd; 05/07/2019.
3. Joint Formulary Committee. BNF 71. London: BMJ group and Pharmaceutical Press; March-September 2019.
4. Paediatric Formulary Committee. BNF for children. Basingstoke, UK: Pharmaceutical Press; 2018-2019.
5. Desmopressin. In: DRUGDEX System [internet]. Greenwood Village, CO: Truven Health Analytics. Accessed 04/07/2019.