





ADULT

FLUMAZENIL

This document should be read in conjunction with this [DISCLAIMER](#)

Presentation	Ampoule: 500microgram/5mL
Dose	<p><u>Reversal of benzodiazepine effects at therapeutic doses (anaesthesia or sedation)</u></p> <p>IV:</p> <p>Initial dose: 0.2 mg administered IV within 15 seconds.</p> <p>If the desired degree of consciousness is not obtained within 60 seconds following the first IV administration, a second dose of 0.1 mg can be injected, and this may be repeated at 60 second intervals where necessary, up to a total dose of 1 mg. The usual dose is 0.3-0.6 mg.</p> <p><u>Reversal of benzodiazepine effects at overdose (known or suspected)</u></p> <p>IV:</p> <p>Initial Dose: 0.3 mg.</p> <p>If the desired degree of consciousness is not obtained within 60 seconds, flumazenil may be injected repeatedly until the patient awakes or up to a total dose of 2 mg. If drowsiness recurs, an IV infusion of 0.1-0.4 mg/hour has been shown to be useful. The rate of the infusion should be individually adjusted up to the desired level of arousal.</p>
Administration	<p>Injection into a free-flowing IV infusion line minimises pain at the injection site.</p> <p><u>IV Injection</u></p> <p>Inject undiluted over 15 seconds.</p> <p><u>IV Infusion</u></p> <p>Dilute with a compatible fluid and infuse at a rate of 100–500 microgram/hour.</p> <p><u>Compatible Fluids</u></p> <p>Glucose 5%, Hartmann's, sodium chloride 0.9%.</p>
Pregnancy	<p>1st Trimester: Monitoring Required</p> <p>2nd Trimester: Monitoring Required</p>

	3rd Trimester: Monitoring Required
Breastfeeding	Monitoring required Monitor for vomiting, agitation, cutaneous dilatation
Monitoring	Flumazenil has duration of action of approximately 45 to 60 minutes, after which time re-sedation may occur because most benzodiazepines have a much longer duration of action. Therefore, patients must be observed for at least 4 hours after the last dose of flumazenil.
Clinical Guidelines and Policies	Resuscitation Trolley(Adult) Equipment and Checking Medication Safety – Intravenous Medications Administration of Parenteral Drugs
References	<p>Society of Hospital Pharmacists of Australia. Flumazenil. In: Australian Injectable Drugs Handbook [Internet]. [St Leonards, New South Wales]: Health Communication Network; 2016 [cited 2017 May 17]. Available from: http://aidh.hcn.com.au</p> <p>Therapeutic Guidelines. Toxicology: benzodiazepines. In: eTG complete [Internet]. West Melbourne (Victoria): Therapeutic Guidelines; 2015 [cited 2017 May 17]. Available from: https://tgldcdp.tg.org.au</p> <p>Therapeutic Guidelines. Painful procedures with sedation. In: eTG complete [Internet]. West Melbourne (Victoria): Therapeutic Guidelines; 2012 [cited 2017 May 17]. Available from: https://tgldcdp.tg.org.au</p> <p>MIMS Australia. Anexate (Flumazenil). In: MIMS Online [Internet]. St Leonards (New South Wales): MIMS Australia; 2014 [cited 2017 May 17]. Available from: https://www.mimsonline.com.au</p> <p>The Royal Women's Hospital. Flumazenil. In: Pregnancy and Breastfeeding Medicines Guide [Internet]. Parkville (Victoria): The Royal Women's Hospital; 2017 [cited 2017 May 17]. Available from: https://thewomenspbmg.org.au/</p> <p>Malhi GS, Bassett D, Boyce P, Bryant R, Fitzgerald PB, Fritz K, Hopwood M, Lyndon B, Mulder R, Murray G, Porter R. Royal Australian and New Zealand College of Psychiatrists clinical practice guidelines for mood disorders. Australian & New Zealand Journal of Psychiatry. 2015 Dec;49(12):1087-206.[cited 2017 May 17]. Available from: http://journals.sagepub.com/doi/abs/10.1177/0004867415617657</p>

Keywords:	flumazenil, flumazepil, antidote, benzodiazepine antidote		
Publishing:	<input checked="" type="checkbox"/> Intranet <input checked="" type="checkbox"/> Internet		
Document owner:	Chief Pharmacist		
Author / Reviewer:	KEMH Pharmacy Department		
Date first issued:	August 2002	Version:	3.0
Last reviewed:	May 2017	Next review date:	May 2020
Endorsed by:	Medicines and Therapeutics Committee	Date:	Sept 2017
Standards Applicable:	NSQHS Standards: 1  Clinical Care is Guided by Current Best Practice 4  Medication Safety		
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