

**Adrenaline (Epinephrine)- for RESUSCITATION**

**1:10,000**

**MORE THAN ONE STRENGTH AVAILABLE – ENSURE THE CORRECT STRENGTH IS USED FOR THE APPROPRIATE INDICATION**

**Neonatal**

<b>BRAND NAME</b>	Adrenaline (Epinephrine)	Min-I-Jet® Adrenaline
<b>MANUFACTURER</b>	Martindale Pharmaceuticals Aurum Pharmaceuticals Ltd	IMS (UK) Ltd
<b>FORM</b>	Ampoule/pre-filled syringe containing 100microgram/ml( <b>1 in 10,000</b> )	
<b>INDICATION</b>	Acute Resuscitation	

**Acute Resuscitation**

**DOSE RANGE**

AGE	DOSE	FREQUENCY	ROUTE
Birth - 6 months	20 microgram/kg (0.2ml/kg of <b>1:10,000</b> )	1st dose	I.V. rapid bolus / intraosseous / UVC* See below for Endotracheal(ET) administration
	Repeat above dose every 3-5minutes if required and consider use of sodium bicarbonate		

**\*The UK Resuscitation Council advises administration of adrenaline by umbilical venous catheter as route of choice in resuscitation of the newborn.**

**ET administration**

Doses of adrenaline only may be given by Endotracheal (ET) tube, if no venous access. For ET tube administration inject quickly down a narrow-bore suction catheter beyond the tracheal end of the ET tube and then flush with 1 or 2 ml Sodium Chloride 0.9% injection. If the tracheal route is used, a dose of 100microgram/kg(1ml/kg of **1:10,000**) should be given

<b>RECONSTITUTION</b>	Already in solution
<b>DILUTION</b>	dilution not required
<b>METHOD OF ADMINISTRATION</b>	By rapid intravenous bolus / intraosseous / UVC administration. If given intraosseous, flush with 1 or 2 ml Sodium Chloride 0.9% injection. See above for ET administration

# West of Scotland NEONATAL PARENTERAL Drug Monographs

## COMPATIBILITY

<b>Solution compatibility</b>	Sodium chloride 0.45%, Sodium chloride 0.9%, Glucose 5%, Glucose 10%,
<b>Solution incompatibility</b>	No information
<b>IV Line compatibility</b>	Atracurium, Calcium Gluconate , Dobutamine, Dopamine, , Glyceryl Trinitrate, Heparin, Noradrenaline, Potassium Chloride, Vecuronium Compatible in Glucose 5% only – Fentanyl, Midazolam, Milrinone, Morphine Compatible in Sodium Chloride 0.9% only - Insulin
<b>IV Line incompatibility</b>	Aminophylline, Epoprostenol, Furosemide, Omeprazole, Sodium bicarbonate

**THIS LIST IS NOT EXHAUSTIVE PLEASE CONTACT PHARMACY FOR FURTHER INFORMATION ON COMPATIBILITY WITH ANY MEDICINES NOT INCLUDED**

## CAUTIONS, CONTRA-INDICATIONS AND SIDE EFFECTS

See Summary of Product Characteristics and most recent edition of BNF for Children (links below)

**FURTHER INFORMATION**     Monitoring requirements:  
Heart rate and rhythm, arterial blood pressure and peripheral perfusion.  
Urine output and renal function.

**STORAGE**     . **Do not use discoloured solutions** or solution containing a precipitate.

**PH**     2.2 – 5.0

**LICENSED STATUS**     Some preparations may be unlicensed

**LINKS**     [BNF for Children](#) / [Electronic Medicines Compendium](#):

**APPLICABLE POLICIES**     [West of Scotland Neonatal Guidelines](#):

Consult local policy if applicable

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**Administer reconstituted solutions immediately.**

**All vials, ampoules and infusion bags are for single use only unless otherwise stated.**

Dose may vary depending on indication, age, renal function, hepatic function, and concomitant medications.  
This monograph should be used in conjunction with the package insert, BNF for Children, and Summary of Product Characteristics. For further advice contact your clinical pharmacist or pharmacy department.