

SALBUTAMOL – IV Bolus

(Ventolin®)

Available as: Ventolin® 1mg/ml (5ml ampoules)

Preparation:

- 1) Draw up 9.5ml Water for Injection
- 2) Draw up 0.5ml Salbutamol [= 500mcg], add to 9.5ml WFI (to get concentration of 50 micrograms/ml)
- 3) Mix well
- 4) Check required dose - discard volume that is not required

Dose (as single dose):

1 month - <2 years: 5 micrograms/kg

2 years – 18 years: 15 micrograms/kg (max. 250 micrograms)

Tables to calculate dose (in micrograms) and volume (in mls) to be given as IV bolus

1 month - <2 years: 5 microgram/kg		
Weight (kg)	Dose (microgram)	Volume(mls)
4	20	0.4
5	25	0.5
6	30	0.6
7	35	0.7
8	40	0.8
9	45	0.9
10	50	1
11	55	1.1
12	60	1.2
13	65	1.3
14	70	1.4
15	75	1.5

2 years – 18 years: 15 microgram/kg		
Weight (kg)	Dose (microgram)	Volume(mls)
6	90	1.8
7	105	2.1
8	120	2.4
9	135	2.7
10	150	3
11	165	3.3
12	180	3.6
13	195	3.9
14	210	4.2
15	225	4.5
16	240	4.8
17+	250	5

(maximum dose = 250 micrograms)

Administer the prescribed dose as SLOW IV BOLUS OVER 5 MINUTES

Observations:

Nurse on cardiac monitor observe for tachycardia, arrhythmias

Serum potassium and blood glucose to be monitored

Due to risk of hypoglycaemia caution with diabetics; monitor blood glucose and for ketoacidosis

Paradoxical bronchospasm, urticaria and angioedema have been reported