

VERSED (MIDOZOLAM)

Indications:

- Sedation
- Seizure control
- Excited Delirium

Contraindications:

- Allergy
- Hypotension
- Shock
- Coma

Precautions: Premedication with an opiate may potentiate midazolam and lead to apnea.

Side effects:

- Nausea/Vomiting
- Headache
- Drowsiness
- Lethargy
- Cough
- Hiccups
- Respiratory Depression
- Apnea
- Hypotension
- Cardiac Arrest
- Paradoxical CNS stimulation (i.e. Valium Rage)

Class: Short-acting benzodiazepine central nervous system (CNS) depressant. Schedule IV Controlled Substance

Mechanism of Action: Acts at the level of the limbic, thalamic, and hypothalamic regions of the CNS through potentiation of GABA (inhibitory neurotransmitter). Decreases neural cell activity in all regions of CNS. Anxiety is decreased by inhibiting cortical and limbic arousal. Promotes relaxation through inhibition of spinal motor reflex pathway, also depresses muscle & motor nerve function directly. As an anticonvulsant, augments presynaptic inhibitions of neurons, limiting the spread of electrical activity. However, it does not alter the electrical activity of the seizure's focus. Midazolam has twice the affinity for benzodiazepine receptors than diazepam and has more potent amnesic effects. It is short acting and roughly 3-4 times more powerful than diazepam.

Concentration: 5.0 mg/1.0 ml

Dosage:

VERSED (MIDOZOLAM) cont.

Adult:

- **Excited Delirium**
Up to 10.0 mg IM/IN
May repeat in 5 minutes via IV/IM/IN
- **Sedation**
Up to 5.0 mg IV/IO/IN/IM
May repeat to a total dose of 10.0 mg
- **Seizures**
If no IV/IO established: 10.0 mg IM/IN
If IV/IO established: 5.0 mg IV/IO
May repeat initial dose once.

Pediatric:

- **Sedation**
0.1 mg/kg IV/IO/IM/IN
Max dose of 5.0 mg
May repeat initial dose once

3KG	4KG	5KG	6KG	7KG	8KG	9KG	10KG	11KG	12KG	13KG
0.06ml	0.08ml	0.1ml	0.12ml	0.14ml	0.16ml	0.18ml	0.2ml	0.22ml	0.24ml	0.26ml

14KG	15KG	16KG	17KG	18KG	19KG	20KG	21KG	22KG	23KG	24KG
0.28ml	0.3ml	0.32ml	0.34ml	0.36ml	0.38ml	0.4ml	0.42ml	0.44ml	0.46ml	0.48ml

25KG	26KG	27KG	28KG	29KG	30KG	31KG	32KG	33KG	34KG	35KG
0.5ml	0.52ml	0.54ml	0.56ml	0.58ml	0.6ml	0.62ml	0.64ml	0.66ml	0.68ml	0.7ml

36KG
0.72ml

- **Pediatric Seizures**
0.2 mg/kg IM/IN/IV/IO up to 5.0 mg
IM or IN dosing is preferred initially unless an IV/IO has already been established
May repeat initial dose once

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3KG	4KG	5KG	6KG	7KG	8KG	9KG	10KG	11KG	12KG	13KG
0.12ml	0.16ml	0.2ml	0.24ml	0.28ml	0.32ml	0.36ml	0.4ml	0.44ml	0.48ml	0.52ml

14KG	15KG	16KG	17KG	18KG	19KG	20KG	21KG	22KG	23KG	24KG
0.56ml	0.6ml	0.64ml	0.68ml	0.72ml	0.76ml	0.8ml	0.84ml	0.88ml	0.92ml	0.96ml

25KG	26KG	27KG	28KG	29KG	30KG	31KG	32KG	33KG	34KG	35KG
1.0ml	1.04ml	1.08ml	1.12ml	1.16ml	1.2ml	1.24ml	1.28ml	1.32ml	1.36ml	1.4ml

36KG
1.44ml