

Levetiracetam

Also known as KEPPRA (brand name)

Indication	Anticonvulsant
Dose	<p>Loading Dose: Status Epilepticus Only 60mg/kg as a stat dose up to a MAXIMUM of 4500mg</p> <p>Maintenance Dose 250-1500mg BD</p>
Preparation	<p>Levetiracetam vials contain 100mg/ml</p> <ol style="list-style-type: none"> 1. Draw up the required amount of levetiracetam into a syringe 2. Remove the equivalent volume of levetiracetam from a 100ml bag of sodium chloride 0.9% 3. Add levetiracetam to the sodium chloride bag
Administration	<p>Levetiracetam is given via a peripheral or central line</p> <p>Administered over 15minutes by using the levetiracetam program on Volumed VP7000 pump or gravity infusion</p>
Shelf-life	24hours at Room Temperature

Common Compatibility Issues	Short infusion so not applicable
Additional information	<p>Loading doses of levetiracetam are not licensed by the manufacturer but have been shown to be effective</p> <p>Loading doses are only required in patients who are not currently taking levetiracetam</p> <p>If starting therapy then maximum maintenance dose is 500mg BD or 250mg BD if weight under 50kg</p> <p>If a patient is unable to have levetiracetam via an enteral route the same dose and frequency is given intravenously</p>

Sample Label	DRUGS ADDED TO THIS INFUSION			
	PATIENT A. Patient (A. Number)			WARD ICU
	DRUG Levetiracetam in 100ml sodium chloride 0.9%	AMOUNT xmg (y mg/ml)	ADD BY	CHECKED BY
	DATE ADDED TIME ADDED	EXP. DATE EXP. TIME	BATCH No.	
	DISCONTINUE IF CLOUDINESS OR PRECIPITATE DEVELOPS			

For review July 2026

Documentation Controls

Development of Guideline:	Pharmacist – Critical Care & Theatres
Consultation with:	Pharmacy Department
Approved By:	ICU Sister's Meeting: June 2023 ICU Risk & Quality Meeting: August 2023 Surgical Division
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Key contact:	Pharmacist – Critical Care & Theatres

References

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*** End of Monograph ***