

# LEVETIRACETAM IV Loading in Status Epilepticus

## Presentation

Levetiracetam 100mg/ml (5ml vials)

## Prescribing

Prescribe on the once only section of the drug chart  
Dose 40mg/kg STAT – (maximum 3000mg)

Use 40mg/kg STAT regardless of if patient is on regular levetiracetam.

## Storage

Store at room temperature (<25° C)

## Preparation/ Dilution

Dilute to 50mg/ml using sodium chloride 0.9%.

## Route of Administration

Central or peripheral

## Rate of Administration

Give over 5 minutes

## Stability

Use immediately- assign 1 hour expiry to IV label.

## Flushes

Sodium chloride 0.9%

## Common compatibilities at terminal Y-site

Maintenance IV fluids containing sodium chloride/ glucose with or without potassium chloride. Contact pharmacist for further advice.

## Monitoring/ Other comments

If appropriate continue regular maintenance levetiracetam dosing 12 hours after the loading dose.

## Extravasation risk

Extreme of pH	Hyperosmolar	Vasoactive	Vesicant
No pH 5.5	Yes >5mg/ml	No	No

## Links to other protocols/ guidelines

None known currently

## Calculation example

e.g. 30kg child .

Prescribe levetiracetam IV 1200mg on the ED chart.

Administer as follows:

Draw up 12ml levetiracetam 100mg in 1ml, and dilute to 24ml using sodium chloride 0.9%.

Label as per Trust policy. Give as IV infusion over 5 minutes.