

# **REMDESIVIR** for IV Infusion

## For over 12 years and 40kg **ONLY**

### Presentation

100mg powder vial

### Prescribing

NHS commissioning Policy dictates that remdesivir can only be initiated in patients within 10 days of onset of COVID symptoms.

Contact pharmacy immediately to arrange supply.- not kept on site.

Prescribe loading dose of 200mg on once only section of medication administration record.

Follow with maintenance dose of 100mg once daily, 24 hours after the loading dose for 4 more doses.

### Storage

Room temperature.

### Preparation/Dilution

Add 19ml of water for injection to each 100mg vial to give 5mg/ml solution. Draw up required dose of remdesivir and dilute with sodium chloride 0.9% to volume in table below. Remove equal volume from bag prior to adding the remdesivir.

Dose range	Final volume
100mg	100ml
200mg	250ml

### Route of Administration

Central preferable- where patient has free central access this should be used. If no central access available then line site should be monitored every 30 minutes

### Rate of Administration

Infuse over 30 to 120 minutes.

### Stability

Use immediately- assign 4 hour expiry to IV additive label.

### Flushes

Sodium chloride 0.9%.

### Compatibility at terminal y-site only

Infuse alone.

### Monitoring/ Other comments

Pre treatment and daily whilst on therapy bloods must include creatinine and LFTs as a minimum.

Any deterioration in renal function or need for renal replacement therapy requires reassessment of suitability with COVID MDT to continue remdesivir therapy.

Increases in ALT of five times the upper limit or patient's baseline requires reassessment of suitability with COVID MDT to continue remdesivir therapy.

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Infusion related reactions include hypotension, nausea, vomiting, sweating/clammy/shivering.

Blood pressure monitoring every 15 minutes during infusion and for 30 minutes post infusion.

### Extravasation risk

Extreme of pH	Hyperosmolar	Vasoactive	Vesicant
Yes pH 3-4	Unknown	Unknown	Unknown

### Example

A 15 year old, 75kg young person has worsening respiratory function following COVID (+) ve result on day 5 of symptom onset and now has increasing oxygen requirement.

Prescribe 200mg remdesivir in the once only section of medication administration record.

Followed by 100mg daily 24 hours after load written in the antimicrobial section of medication administration record.

Administer as follows:

For loading dose draw up 40ml of remdesivir concentrate into a 50ml syringe.

Remove 40ml from the 250ml sodium chloride 0.9% infusion bag. Add 40ml of remdesivir concentrate.

Label as per trust policy. Administer over 60 minutes centrally at a rate of 250ml/hr.

For maintenance dose draw up 20ml of remdesivir concentrate into a 50ml syringe.

Remove 20ml from a 100ml sodium chloride 0.9% infusion bag.

Add 20ml of remdesivir concentrate.

Label as per trust policy.

Administer over 60 minutes centrally at a rate of 100ml/hr.