



### Indications for Curosurf®

- GA < 26 weeks.
- GA 26-29 weeks with supplemental oxygen requirement  $\geq$  40%.
- GA > 29 weeks with CXR-proven RDS.

### Curosurf® Storage

- Curosurf® is stored at 36-46°F.
- If warmed and not opened or used, may be returned to refrigerated storage one time.
- Curosurf® is located in the OB medication refrigerator. If going on a medevac, ask the nurses to get the Curosurf®. It can be stored in a pink thermal bag that is kept next to it in the refrigerator.

### Reference:

See this [YouTube video](#) for a demonstration of the Y catheter.

### Preparation of Curosurf®

- Warm to room temperature and gently invert. Do not shake.
- Choose Curosurf® dose using the [Neonatal Resuscitation Summary](#) using estimated gestational age. If weight is known, calculate dose to be 2.5 mL/kg.
- Draw up total Curosurf® dose using a 20 gauge or larger needle. Divide the dose between two syringes with half the dose in each.

### Preparation of Equipment and Patient

- Prior to intubation, if possible, check the ETT cap and make sure it comes on and off easily.
- Make sure you have the correct size Y cap for the ETT size.
- Check fit of Y cap on ETT. Attach catheter and feed it down the tube until it is ½ cm past the tip. Look for the number or color that will tell you the depth of the catheter at this point.
- Intubate patient with ETT cap on tube.
- Verify placement and secure tube.

### Administration of Curosurf®

- Disconnect Neopuff, bag, or ventilator.
- Remove ETT cap and replace with Y cap. (If ETT cap is stuck, cut the tube as high as possible and then place the Y cap.)
- Attach the Neopuff or bag to the larger port on the Y cap.
- Attach the catheter to the smaller port on the Y cap and advance it until it is at the desired depth.
- Turn the baby onto one side.
- Inject one of the syringes of Curosurf® through the catheter.
- Pull the catheter all the way out but leave attached.
- Bag the baby at a rate of 40-60 breaths/minute for one minute.
- Allow the baby to recover.
- Turn the baby to the other side. Administer the other syringe of Curosurf®, as above.
- Place the baby in the supine position. Allow the baby to recover.
- Remove the Y cap and replace the ETT cap.
- Resume ventilation.
- Do not suction for one hour after administration unless required for obstruction.
- Remember to adjust pressure on Neopuff as lung compliance improves.

This resource is designed for the general use of most patients but may need to be adapted to meet the special needs of a specific patient as determined by the medical practitioner.

Click [here](#) to see the supplemental resources for this resource.

If comments about this resource, please contact [Leslie\\_Herrmann@ykhc.org](mailto:Leslie_Herrmann@ykhc.org).