

## NICU Antibiotic Administration “Beat the Clock” Timeline

	0 Minutes Antibiotic Ordered	10 Minutes	20 Minutes	30 Minutes	40 Minutes	50 Minutes	60 Minutes GOAL
RN	<b>Place Medication Request through the MAR</b> <ul style="list-style-type: none"><li>Select "Stat" as the priority level</li><li>Include Current Gestational Age</li></ul>	<b>Patient Admission and Stabilization</b> <ul style="list-style-type: none"><li>Admission Assessment and vital signs</li><li>Collaboration with provider to assess the need for a central line</li><li>Begin establishing IV Access</li></ul>	<b>Review Medication Request to check and see if pharmacy has responded/acknowledged request (see instructions on how to do this)</b> <ul style="list-style-type: none"><li>If pharmacy has not acknowledged request please call them at this time</li></ul>	<b>IV Access Established Central Line-</b> <ul style="list-style-type: none"><li>Completed by provider and IVF are primed and started</li></ul> <b>PIV-</b> <ul style="list-style-type: none"><li><b>Limit to 2 attempts then alert provider</b> and may attempt 2 more times after provider notification prior to central line placement</li></ul>	<b>Blood cultures obtained</b> <ul style="list-style-type: none"><li>Limit to 2 attempts by 2 RN's then escalate to provider</li></ul> <b>Medication Arrives at Pneumatic Tube Station and taken to bedside for administration</b>	<b>Begin Infusing Ampicillin, Nafcillin, or Vancomycin</b> followed by any additional antibiotics that were ordered	<b>Antibiotic Infusing- Goal Met</b>  <b>If Goal was not met, please provide detailed description related to delays</b>
Pharmacy	<ul style="list-style-type: none"><li>Pharmacy made aware of NICU antibiotic order (by med request)**</li><li>Technician should accept/acknowledge medication request (so RN will know it has been seen)</li><li><b>Start timer for 40 minutes from time order was entered</b></li></ul>	<b>Pharmacist Order entry (5-10 mins)</b> <ul style="list-style-type: none"><li>Verify dose, check reference</li><li>Label prints</li></ul> <b>Technician:</b> <ul style="list-style-type: none"><li>IV tech gowning (0-10 mins)**</li><li>Put stock solution in IV room pass-through in RED basket (1st antibiotic only: Ampicillin, Nafcillin or Vancomycin)</li><li>Ensure stock solution minimum par is met (30 mL) ; if patients actively on antibiotics, then par is full 50 mL syringe + extra</li></ul>	<b>Pharmacist - double check (5 mins)</b> <ul style="list-style-type: none"><li>Put label (1st dose only) in IV room pass-through</li><li>[IF no stock solution, first pharmacist to in-process check (15 min)**]<ul style="list-style-type: none"><li>Gown up</li><li>Check dose</li></ul></li></ul> <b>IV tech:</b> <ul style="list-style-type: none"><li>Make first dose (2 min) [10 min if no stock solution pre-existing]</li><li>Put in pass-through, call/notify team**</li></ul>	<b>Pharmacist (first and second) to check dose (5 mins)</b> <ul style="list-style-type: none"><li>Follow up from pass-through</li><li>Sign labels</li></ul> <b>Package/deliver dose (5 mins)</b> <ul style="list-style-type: none"><li>Final checking pharmacist to bag and tube medication</li></ul> <b>Pharmacy goal time 40 mins to have antibiotic to the NICU</b> <ul style="list-style-type: none"><li>Pharmacy to call NICU at 00:40 if delays</li></ul>			
NICU Provider	<b>STAT order entry for required antibiotics</b> <ul style="list-style-type: none"><li>Include Current Gestational Age in order</li><li>Start Timer</li></ul>	<b>Begin Placing Central lines if indicated</b>	<b>Central Access established and X-ray ordered.</b> <b>PIV –</b> If RNs unable to establish PIV evaluate patient for central line or IM antibiotics	<b>Central Line- X-Ray completed and lines secured.</b>			

Patient name: \_\_\_\_\_ MRN: \_\_\_\_\_ Todays date: \_\_\_\_\_

Did we “Beat the Clock” (Antibiotic started before the 60min deadline)?      Yes      No

If No, please provide **DETAILED** description of what could have contributed to the delay (Ex. Vital signs unstable required several boluses, Intubation at bedside, etc).

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