

ALL ORDERS MUST BE WRITTEN IN THE METRIC SYSTEM AND INCLUDE DATE, TIME, AND PRESCRIBER'S SIGNATURE.
 ANOTHER BRAND OF DRUG IDENTICAL IN FORM AND CONTENT MAY BE DISPENSED BY THE HOSPITAL PHARMACY
 UNLESS SPECIFIED "BRAND ONLY" BESIDE DRUG.

DIAGNOSIS: _____

NO KNOWN ALLERGIES

AGE: _____ WT.: _____ HEIGHT: _____

ALLERGY and MEDICATION
 SENSITIVITY INFORMATION
 (Transfer to each new order)

ORDERED DATE / TIME	<input checked="" type="checkbox"/> Severe Sepsis / Septic Shock Order Set – 3 Hour Bundle
Diagnostics – 3 Hour Bundle	
	<input checked="" type="checkbox"/> CBC with Automated Differential Stat (required)
	<input checked="" type="checkbox"/> Comprehensive Metabolic Panel (CMP) Stat (required)
	<input checked="" type="checkbox"/> Prothrombin Time (PT/INR) Stat (required)
	<input checked="" type="checkbox"/> aPTT (PTT) Stat (required)
	<input type="checkbox"/> Perform ISTAT Lactate level Stat
	<input type="checkbox"/> Lactic Acid Stat
	<input type="checkbox"/> Lactic Acid Stat Repeat if 1st Lactic Acid is > 2 at least 2H post 1st result
	<input type="checkbox"/> Blood Culture – Draw by Lab – Peripheral X2
	<input type="checkbox"/> Blood Culture – Draw by Nurse – Peripheral X2 (ICUs, ED)
	<input type="checkbox"/> Blood Culture – Nurse/Doctor Draw – Central Line Stat
	<input type="checkbox"/> Urinalysis Stat
	<input type="checkbox"/> Urine Culture Stat
	<input type="checkbox"/> Respiratory Culture (if with productive cough) Stat
	<input type="checkbox"/> EKG (ED) Stat
	<input type="checkbox"/> EKG Tracing Only (EKG) Stat
	<input type="checkbox"/> XR Chest PA and LAT Stat
	<input type="checkbox"/> XR Chest Single View Stat Portable
Monitoring – 3 Hour Bundle	
	<input checked="" type="checkbox"/> Notify MD if SBP (systolic BP) is < 90 mmHg (required)
	<input checked="" type="checkbox"/> Notify MD if there is decrease of 40 mmHg from last recorded SBP (required)
	<input checked="" type="checkbox"/> Notify MD if MAP (Mean Arterial Pressure) is < 65 mmHg (required)
	<input checked="" type="checkbox"/> Notify MD if Lactic Acid is equal to or greater than 4 mmol/L (required)
Time Order Scanned: _____	

**DO NOT USE
 the following
 abbreviations:**

- U
- IU
- QD
- QOD
- MS
- MSO₄
- MgSO₄
- ug
- TIW
- AS
- AD
- AU
- OS
- OD
- OU
- &
- Trailing zero after whole number (i.e. 5.0 mg)

**MUST USE
 the following
 abbreviation:**

- Leading zero before a less than whole number (i.e. 0.5 mg)

Physician Signature: _____ Name (Print): _____ Date/Time: _____ Pager: _____
 Nurse Signature: _____ Name (Print): _____ Date/Time: _____
 US Signature: _____ Name (Print): _____ Date/Time: _____

HU HOWARD UNIVERSITY HOSPITAL

**SEVERE SEPSIS / SEPTIC SHOCK
 ORDER SET –
 3 Hour
 Bundle**



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IV Fluids – 3 Hour Bundle

INSTRUCTION: Administer IV fluids ONLY IF systolic BP (SBP) < 90 mmHg or mean arterial BP (MAP) < 65 mmHg or a decrease in SBP 40 mmHg from the last recorded SBP considered normal for given patient or initial Lactate level => 4 mmol/L

- (Choose **ONE** from below)
- Sodium Chloride 0.9% IV @ 30 ml/kg – Infuse 2L rapidly by bolus
 - Lactated Ringers IV @ 30 ml/kg – Infuse 2L rapidly by bolus
 - PLASMA-LYTE-56 IN D5W IV @ 30 ml/kg – Infuse 2L rapidly by bolus
 - Normosol @ 30 ml/kg – Infuse 2L rapidly by bolus
 - Notify MD to reassess fluid tolerance after infusion of 2 liters
 - If pt tolerating fluids infuse each additional liter by bolus
 - Notify MD to assess fluid tolerance after each liter is infused
 - Infuse the entire amount of IV fluid equivalent to 30 ml/kg

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Medications – 3 Hour Bundle

INSTRUCTIONS: Administer antibiotics within 1 hour from time of presentation (after blood culture is drawn)
 Add additional antibiotics as needed for clinical picture
 Administer appropriate broad spectrum antibiotics: **Monotherapy** or **Combination** Therapy

- Monotherapy**
- Cefepime 2g IV Q8H X 48hrs (if meningitis is suspected)
 - Levofloxacin (Levaquin) 750 mg IV Q24H X 48hrs
 - Zosyn 3.375g IV Q6H X 48hrs


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Criteria to add vancomycin where MRSA is known or suspected:
 Central venous catheter or other indwelling hardware in place
 Recent (within 3 months) or current prolonged hospitalization > 2 weeks
 Transfer from a nursing home or subacute facility
 On Chronic Dialysis
 IV drug use

- Vancomycin 1g/200mL IV Q12H X 48hrs
- Combination** therapy include: aztreonam 2 gm and vancomycin 1gm or ciprofloxacin 400mg and vancomycin 1gm
- Aztreonam (Azactam) 2 g IV Q8H X 48hrs
 - Ciprofloxacin (Cipro) 400mg/200mL IV Q12H X 48hrs
 - Vancomycin 1g/200mL IV Q12H X 48hrs


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HOWARD UNIVERSITY HOSPITAL

SEVERE SEPSIS / SEPTIC SHOCK ORDER SET – 3 Hour Bundle



* P 0 0 0 7 9 *

FF# 0882b
 Rev. 11/07/2016
 Page 2 of 3

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Severe Sepsis / Septic Shock Order Set – 3 Hour Bundle

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Antibiotic List for ED only

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- Aztreonam (Azactam) 2 g IV One Time
- Cefepime 2g IV One Time
- Ciprofloxacin (Cipro) 400mg/200 D5W IV ONE TIME
- Levofloxacin (Levaquin) 750mg IV PB One Time
- Vancomycin (Vancocin) 1g IV One Time
- Zosyn 3.375 g IV One Time

**INSTRUCTIONS: If patient's condition progress to Septic Shock,
 initiate Severe Sepsis / Septic Shock – 6 Hour Bundle Orderset**

&

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 ORDER SET –
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* P 0 0 0 7 9 *

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ORDERED DATE / TIME **Severe Sepsis / Septic Shock Order Set – 6 Hour Bundle**

Diagnostics – 6 Hour Bundle

INSTRUCTION: Repeat Lactic acid level must be done within 6 hours of Severe Sepsis / Septic Shock presentation

Perform I-STAT Lactate level Stat

Lactic Acid Stat Repeat if 1st Lactate is > 2 (18 mg/L) &/or not previously resulted

Medications – 6 Hour Bundle

INSTRUCTIONS: Order vasopressors if tissue hypo-perfusion persists in the hour after crystalloid fluid is administered at 30ml/kg as evidenced by either:

SBP < 90 mmHg

MAP < 65 mmHg

Decrease in SBP by 40 mmHg from last recorded SBP considered normal for patient

ADDITIONAL REMINDERS:

Norepinephrine is the first line agent

If additional vasopressor support is needed, add or switch to EPINEPHrine

Use phenylephrine only for norepinephrine associated with serious arrhythmias, high cardiac output with persistently low BP

Vasopressin max = 0.03 units/minute and should not be used as a single agent; higher doses should be reserved for salvage therapy

Norepinephrine (Levophed) 8 mg/250 mL IV, 2 mcg/min

Epinephrine 2 mg/250 mL IV, 1 mcg/min

Phenylephrine 10 mg/250 mL NS IV Continuous, Titrate as directed

Vasopressin 20 Units/100 mL IV Drip @ 0.03 units/min

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Nurse Signature: _____ Name (Print): _____ Date/Time: _____

US Signature: _____ Name (Print): _____ Date/Time: _____

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**SEVERE SEPSIS / SEPTIC SHOCK
 ORDER SET –
 6 Hour
 Bundle**



