

Supplementary Table 1 CytoSorb Checklist Scoring System: Patient selection criteria

CytoSorb Checklist

Hospital ID:..... Patient Initials:..... Age:..... Sex:.....

Diagnosis:.....

Clinical Variables	Severity Score			Patient Score (Take highest score of any variable in each segment)
	1	2	3	
Hemodynamic Parameter				
MAP	>70 mmHg With or without vasopressor support	> 65 mmHg High dose single Vasopressors (0.3mcg/ml)	> 65 mmHg High dose of multiple Vasopressors	
Septic Shock	< 24hrs	24 – 48hrs	> 48hrs	
Renal Parameter				
Acute oliguria	< 0.5 mL/kg/h for 6 hours	< 0.5 mL/kg/h for 12 hours or longer	< 0.3 mL/kg/h for 24 hours or anuria for 12 hrs	
S. Creatinine	Increase to > 1.5 fold	Increase to > 2 fold	> 4 mg/dL or greater	
RRT	Not on RRT	On RRT < 24 hrs	On RRT > 24 hrs	
Respiratory Parameter				
Arterial hypoxemia	PaO ₂ /FiO ₂ < 300	PaO ₂ /FiO ₂ < 200	PaO ₂ /FiO ₂ < 100	
Mechanical Ventilation	Not Required	May require	High PEEP	
Lab Parameters				
S. Lactate	< 2 mmol	2- 3.9 mmol	> 4 mmol	
PCT	< 1ng/ml	1-3 ng/ml	> 3 ng/ml	
CRP	<100 mg/ dl	100 – 200 mg/ dl	> 200 mg/ dl	
Sepsis Scores				
SOFA Score OR	< 8	8 - 12	>12	
qSOFA	< 1	1-2	> 2	
APACHE 2	< 20	20 - 25	> 25	
Total Score				

*Please note Patient may have one or multiple clinical variable in each segment. The highest variable should be considered for Patient scoring

Patient Score to Initiate Cytosorb

< 8 Early	8 – 13 Definite	>13 Late
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CytoSorb Scores: 8-13: Ideal scores to initiate; < 8: the patient needs to be monitored if score increases; > 13: the patient is considered critically ill and aggressive therapy is needed. MAP: Mean arterial pressure; RRT: Renal replacement therapy; PEEP: Positive end-expiratory pressure; PCT: Procalcitonin test; CRP: C-reactive protein, SOFA: Sequential organ failure assessment; qSOFA: Quick SOFA; APACHE: Acute physiology and chronic health evaluation.