

Table S1 The detailed search strategy of Table 3 with PubMed

Items	Specification
Date of search	Oct 23, 2024
Databases and other sources searched	PubMed
Search terms used	("hemoadsorption" OR "hemadsorption" OR "haemoadsorption" OR "cytokine adsorption" OR "cytokine absorber" OR "Adsorptive Blood Purification" OR "cytokine filters" OR "cytokine elimination" OR "cytokine removal" OR "cytokine filtration" OR "cytosorbents" OR "CytoSorb") AND ("Septic Shock" OR "COVID-19")
Timeframe	January 1 st , 2019 to May 31 st , 2024 (last 5 years completed randomized controlled trials)
Inclusion and exclusion criteria	Inclusion criteria: study type: randomized controlled trials; language restrictions: studies published in English; study status: completed, results posted Exclusion criteria: studies unrelated to CytoSorb [®] or Septic Shock/COVID-19 (Table 3); non-English study
Selection process	Reports assessed for eligibility (n=6) Reports excluded: study type not randomized controlled trials (n=1) Studies unrelated to CytoSorb [®] (n=1)
Results/included	Studies included in Table 3 (n=4)