

MATERIAL

Abstract

Disclosed herein is a particulate porous material that comprises a crosslinked polymeric matrix including a first set of constitutional units formed from ethylene glycol dimethacrylate monomers, wherein the particulate porous material comprises a plurality of pores having a pore diameter of from about 1.6 nm to about 50 nm, and the particulate porous material has a porosity of at least 3% (v/v) and a single point total pore volume of at least 0.15 cm³/g. Also disclosed herein are a sorbent cartridge suitable for use in purification of a bodily fluid (e.g. a kidney dialysis treatment, such as a haemodialysis treatment, a peritoneal dialysis treatment or a hemoperfusion treatment), wherein the sorbent cartridge comprises the aforementioned particulate porous material, and a method of performing dialysis (e.g. haemodialysis, peritoneal dialysis or hemoperfusion), comprising a step of passing a dialysate through the aforementioned sorbent cartridge. Also disclosed herein are use of the aforementioned particulate porous material to adsorb beta-2 microglobulin, a method of removing beta-2 microglobulin from a fluid comprising providing a fluid comprising beta-2 microglobulin, and exposing said fluid to the aforementioned particulate porous material, and a method of preparing the aforementioned particulate porous material.

[FIG. 3]