

MICROREACTOR

ABSTRACT

A microreactor (100) includes: a reaction passage (110) to flow a fluid as a reaction object; and a medium passage (120) provided in parallel with the reaction passage (110) to flow a heat medium to exchange heat with the fluid in the reaction passage (110). A cross-sectional area of the medium passage (120) adjacent to a location of the reaction passage (110) where any of heat generation and heat absorption associated with a reaction of the fluid is relatively large is smaller than a cross-sectional area of the medium passage (120) adjacent to a location of the reaction passage (110) where any of the heat generation and the heat absorption associated with the reaction of the fluid is relatively small.

FIG. 1