

CULTURE MATERIAL AND USE THEREOF

ABSTRACT

Provided is a culture material that is superior in
5 shape stability and can achieve a suitable oxygen environment
for culture of liver cells.

A culture material including a 4-methyl-1-pentene
polymer (X) for cells, tissues, or organs, the culture
material having a water contact angle at a culture surface of
10 50° to 100°, a sagging distance by a test method (A)
described below of 0 to 5 mm, and an oxygen permeation rate
at a temperature of 23°C and a humidity of 0% of 4500 to
90000 cm³/(m² × 24h × atm).

Test method (A): A test piece having the same material
15 as the culture material and the same thickness as the culture
surface of the culture material and having a flat plate shape
of 100 mm long and 10 mm wide is made. The test piece is
fixed onto a test board in a state where the test piece
protrudes lengthwise a length of 50 mm in a horizontal
20 direction from a top surface of the test board, the top
surface being horizontal. Three minutes after fixing, a
measurement is performed of a distance of how much an end of
the test piece protruding from the test board sags in a
vertically downward direction from a horizontal plane

including the top surface of the test board. With the proviso that the process from the fixing to the measurement is performed at room temperature.

5 [No Suitable Figure]