CLAIMS

1. A cell mass dissociator comprising a connecting block provided in its interior with a through-hole through which a cell mass-containing culture medium flows, wherein:

a recess is provided at the first edge of the connecting block and a protrusion is provided at the second edge of the connecting block,

in the case of multiple connecting blocks, the protrusions engage with the recesses of the adjacent connecting blocks, and

the through-hole has a first large pore size section that connects with the recess, a small pore size section that connects with the first large pore size section and has a smaller pore size than the first large pore size section, and a second large pore size section that connects with the small pore size section, has a larger pore size than the small pore size section and has an opening at the tip of the protrusion.

2. The cell mass dissociator according to claim 1, wherein, when multiple connecting blocks are present and the multiple connecting blocks are connected, the second large pore size sections are smoothly connecting with the first large pore size sections of adjacent connecting blocks.

3. The cell mass dissociator according to claim 1 or 2, wherein the central axes of the first and second large pore size sections and the central axis of the small pore size section are offset.

4. The cell mass dissociator according to any one of claims 1 to 3,

further comprising a tip block with a through-hole provided in the interior, wherein:

a recess is provided at the first edge of the tip block and a nozzle at the second edge of the tip block,

the recess of the tip block is engaged with the protrusion of the connecting block, and

the through-hole has a large pore size section that connects with the recess, and a small pore size section that connects with the large pore size section, has a smaller pore size than the large pore size section and has an opening at the tip of the nozzle.

5. The cell mass dissociator according to claim 4, wherein when the connecting block and the tip block have been connected, the second large pore size section of the connecting block and the large pore size section of the tip block are smoothly connecting.

6. The cell mass dissociator according to any one of claims 1 to 5, further comprising

a terminal block with a through-hole provided in the interior,

wherein a recess is provided at the first edge of the terminal block and a protrusion is provided at the second edge of the terminal block, and the protrusion of the terminal block is engaged with the recess of the connecting block.

7. The cell mass dissociator according to claim 6, further comprising:

an insertion nozzle that is inserted in the recess of the terminal block, and

a suction drainer in connection with the insertion nozzle, that suction drains the cell mass-containing culture medium.