CLAIM(S):

1. A tube retainer comprising:

a block comprising:

a top wall;

a bottom wall;

a first side wall;

a second side wall;

a third side wall; and

a fourth side wall;

a first opening comprising a tube slot having a first slot end and a second slot end, and

a second opening having a generally annular shape, the first opening communicating with the second opening, the first and second openings passing through the top wall and the bottom wall;

wherein at least the first side wall and the second side wall each include

a male block connector comprising a first extending arm having a free end including a lug facing perpendicularly to the first extending arm and generally parallel to the side wall, and a second extending arm having a free end including a lug facing perpendicularly to the second extending arm and generally parallel to the side wall, wherein the lug on the first ending arm and the lug on the second extending arm face away from each other, the male block connector further comprising an extending tongue between the first extending arm and the second extending arm;

and/or

a female block connector comprising a recess comprising a first lug pocket having an open end and a closed end, and a second lug pocket having an open end and a closed end, wherein the first lug pocket and the second lug pocket are arranged generally parallel to the side wall and the open end of the first lug pocket faces the open end of the second lug pocket, the recess further comprising a central indentation between the first lug pocket and the second lug pocket; ——————————

——— wherein the third wall or the fourth wall includes the first slot end of the tube slot.

2. The tube retainer of claim 1, wherein the first side wall and the second side wall each include a male block connector and a female block connector.

3. A tube retainer set comprising at least two tube retainers according to claim 1 and/or claim 2.

4. A tube management system comprising:

at least one tube retainer according to claim 1 or 2 and/or at least one tube retainer set according to claim 3; and,

a mounting bar for the at least one tube retainer and/or the at least one tube retainer set, the mounting bar comprising a front wall and at least two female block connectors, each female block connector comprising a recess comprising a first lug pocket having an open end and a closed end, and a second lug pocket having an open end and a closed end, wherein the first lug pocket and the second lug pocket are arranged generally parallel to the front wall and the open end of the first lug pocket faces the open end of the second lug pocket, the recess further comprising a central indentation between the first lug pocket and the second lug pocket.

5. The tube management system of claim 4, wherein the mounting bar includes a flange for attachment to a bioprocessing system.

6. A method of assembling tube retainers, the method comprising:

interlocking a first tube retainer including a top wall; a bottom wall; a first side wall; a second side wall; a third side wall; and a fourth side wall; a first opening comprising a tube slot having a first slot end and a second slot end, and a second opening having a generally annular shape, the first opening communicating with the second opening, the first and second openings passing through the top wall and the bottom wall, wherein the third wall or the fourth wall includes the first slot end of the tube slot; the first tube retainer comprising at least one male block connector comprising a first extending arm having a free end including a lug facing perpendicularly to the first extending arm and generally parallel to the side wall, and a second extending arm having a free end including a lug facing perpendicularly to the second extending arm and generally parallel to the side wall, wherein

the lug on the first ending arm and the lug on the second extending arm face away from each other, the male block connector further comprising an extending tongue between the first extending arm and the second extending arm; ~~with a second tube retainer~~

with

a second tube retainer including a top wall; a bottom wall; a first side wall; a second side wall; a third side wall; and a fourth side wall; a first opening comprising a tube slot having a first slot end and a second slot end, and a second opening having a generally annular shape, the first opening communicating with the second opening, the first and second openings passing through the top wall and the bottom wall, wherein the third wall or the fourth wall includes the first slot end of the tube slot; the second tube retainer comprising at least one female block connector comprising a recess comprising a first lug pocket having an open end and a closed end, and a second lug pocket having an open end and a closed end, wherein the first lug pocket and the second lug pocket are arranged generally parallel to the side wall and the open end of the first lug pocket faces the open end of the second lug pocket, the recess further comprising a central indentation between the first lug pocket and the second lug pocket; wherein the third wall or the fourth wall includes the first slot end of the tube slot

such that the lugs of the first and second extending arms of the at least one male connector of the first tube retainer are engaged in the first and second lug pockets of the at least one female connector of the second tube retainer.

7. The method of claim 6, further comprising passing a first tube through the tube slot and into the second opening of the first tube retainer.

8. The method of claim 7, further comprising passing a second tube through the tube slot and into the second opening of the second tube retainer.