WHAT IS CLAIMED IS:

1. A device comprising at least two macro-capsules encompassing a plurality of therapeutic cells, the macro-capsule comprising a cylindrical shape and a diameter of at least 1.5 mm.
2. The device of claim 1, wherein the macro-capsules comprise at least one barrier, the barrier comprising:
    (a) cellulose sulfate and glucomannan or glucomannan sulfate; or
    (b) sodium alginate.
3. The device of claim 1 or claim 2, wherein the macro-capsules further comprise a second barrier, wherein the first barrier is encompassed within the second barrier.
4. The device of claim 3, wherein the second barrier comprises cellulose sulfate and glucomannan or glucomannan sulfate.
5. The device of claim 3, wherein the second barrier does not comprise glucomannan or glucomannan sulfate.
6. The device of any one of claims 1-5, wherein the macro-capsules are attached to a piece of surgical mesh.
7. The device of claim 1, wherein the surgical mesh is nylon.
8. The device of claim 1, wherein the surgical mesh is round.
9. The device of claim 1, wherein the surgical mesh is oblong.
10. The device of claim 1, wherein the surgical mesh comprises a tab for attaching the device to a suitable site within the host.
11. The device of any one of claims 6-10, wherein a plurality of macro-capsules are attached to the surgical mesh.
12. The device of claim 11, wherein the macro-capsules are arranged radially around the mesh.

13. The device of claim 11, wherein the macro-capsules are arranged in apposition along the mesh.

14. The device of claim 11, wherein the macro-capsules are arranged to extend on opposite sides of the mesh.

15. The device according to any one of claims 1-14, wherein each macro-capsule is at least about 11cm in length.

16. The device according to any one of claims 1-15, wherein each macro-capsule contains at least about 50,000 cells per cm.

17. The device according to any one of claims 1-16, wherein the diameter of each macro-capsule is at least 2.0 mm.

18. The device according to any one of claims 1-17, wherein the therapeutic cells are insulin-producing cells.

19. A device according to any one of claims 1-18, for use in treating diabetes in a subject in need thereof.

20. Use of the device according to any one of claims 1-18 in the manufacture of a medicament for the treatment of diabetes.