Gelfoam (8x8 mm)
Pre-soaked with autoclaved
Water, regular media or TCM
For 5 min

Quantum dot (Q-dot)
Labeled 10T1/2
Mesenchymal stem cells
Grown in RM or TCM

After 5-6 days of transplantation

Injection of Q-dot labeled 1
0T1/2MSC (2 x 10⁵)

After 2 day

Observation of angiogenesis with attached labeled cells on Gelfoam by inverted fluorescence microscope

Transplantation of pre-soaked Gelfoam under the skin of mice