

Claim 1

A repair agent for use in repairing damaged tissue, comprising mesenchymal stem cells cultured in a serum-free medium, wherein the damaged tissue is tissue damage that
5 accompanies chronic renal failure, a chronic kidney disease, cirrhosis, viral hepatitis, alcoholic hepatitis, or non-alcoholic steatohepatitis.

Claim 2

10 The repair agent for use in repairing damaged tissue as set forth in claim 1, wherein the repair agent suppresses fibrosis of a living tissue.

Claim 3

15 The repair agent for use in repairing damaged tissue as set forth in claim 1, wherein the repair agent suppresses infiltration of an inflammatory cell.

Claim 4

20 The repair agent for use in repairing damaged tissue as set forth in claim 1, wherein the repair agent controls activity of a macrophage.

Claim 5

The repair agent for use in repairing damaged tissue as set forth in any one of claims 1 through 4, wherein the serum-free medium contains an FGF, a PDGF, an EGF, at
5 least one phospholipid, and at least one fatty acid.

Claim 6

The repair agent for use in repairing damaged tissue as set forth in any one of claims 1 through 5, wherein the
10 mesenchymal stem cells are mesenchymal stem cells which have been selected by screening and are non-tumorigenic.

Claim 7

The repair agent for use in repairing damaged tissue as set forth in any one of claims 1 through 6, wherein the
15 mesenchymal stem cells have been subcultured at least once.

Claim 8

The repair agent for use in repairing damaged tissue as set forth in claim 7, wherein the mesenchymal stem cells
20 which are being subcultured are detached with use of a cell detaching agent containing neither a mammal-derived component nor a microorganism-derived component.

Claim 9

The repair agent for use in repairing damaged tissue
as set forth in any one of claims 1 through 8, wherein the
mesenchymal stem cells are cultured with use of a culture
5 vessel suitable for culture of the mesenchymal stem cells.

Claim 10

A repair agent for use in repairing damaged tissue,
comprising TSG-6, the damaged tissue being tissue damage
10 that accompanies chronic renal failure or a chronic kidney
disease.

Claim 11

The repair agent for use in repairing damaged tissue
15 as set forth in claim 10, wherein the repair agent suppresses
fibrosis of a living tissue.

Claim 12

The repair agent for use in repairing damaged tissue
20 as set forth in claim 10, wherein the repair agent suppresses
infiltration of an inflammatory cell.