JoVE58370 Response to Editorial Comments

We thank the Editors for their time and consideration given to our manuscript.

Editorial Comments:

1. **Comments 1-8, 10-11.**
New references have now been added.

2. **Comment 9.**
The sentence has been revised.

3. **Comment 13.**
PBS has been defined as phosphate buffer saline.

4. **Comment 14.**
The sentence now reads: "Cut the pieces into smaller pieces"

5. **Comment 15.**
"Mince strongly" has been replaced by "mince thoroughly".

6. **Comment 16.**
"Add to the dish from step 1.6" has been added.

7. **Comment 17.**
Concentration has been added.

8. **Comment 18.**
Information has been added.

9. **Comment 19-21, 24, 26-27, 33, 36-37,**
Step numbers have been updated in the manuscript and in Figures 2 and 3 according to the new edited protocol.

10. **Comment 22.**
"The cells" has been added.

11. **Comment 23.**
Information has been added.

12. **Comment 25.**
Culture conditions are now mentioned.

13. **Comment 28.**
Information has been added.

14. **Comment 29.**
Concentration has been added.

15. **Comment 30.**

Step 6.2.7 has been added.

16. Comment 31.
"Centrifuge speed should be adjusted depending on the machine rotor" has been removed.

17. Comment 32.
The concentrations of Laminin and Fibronectin given as % have been added.

18. Comment 34.
Details on the vWF staining as verification step of endothelial differentiation have been added in the manuscript and in the Table of Materials and Reagents.

19. Comment 35.
Each note has been moved under the relevant step.

20. Comment 38.
Information has been added.

21. Comment 39.
Microscopy settings have been added.

22. Comment 40.
Laminin (LN) and Fibronectin (FN) have been defined.

23. Comment 41.
"A" has been removed.

24. Comment 42.
The Table of Materials and Reagents has been referenced in Figure 3.

25. Comment 43-45.
Microscopes have been added to the Table of Materials and Reagents.

26. Comment 46.
References have been added to the Table of Materials and Reagents.

In addition, more detail has been added to the trypsinization steps in 6.2.2, 6.3.2 and 6.4.2.