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# The editor of JoVE Journal,

**RESPONSE TO REVIEWERS**

**Title of Manuscript:** Mesenchymal Stem Cell Isolation from Pulp Tissue and Co-Culture with Cancer Cells to Study Their Interactions

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In accordance with the reviewers’ suggestions, necessary explanations and clarifications were added to the revised manuscript. Please find detailed response to reviewers’ suggestions below.

**Revision Letter**

The title has been rephrased. Please feel free to change if the authors do not agree with this change.

**Response**: Authors agreed with the rephrased title

1. Because human teeth have been used in this protocol, please include an ethics statement before the numbered protocol steps, indicating that the protocol follows the guidelines of your institution’s **human research** ethics committee.

**Response**: Required statement was included as a note to the protocol part 1.1

“**Note:** Written informed consent of the patients was obtained after the approval from the Institutional Ethics Committee. “

Does it refer to complete DMEM medium with 10% FBS and 1% PSA mentioned in line 91? “complete DMEM medium” and “DMEM supplemented with 10% FBS and 1% PSA” appear in multiple places. It is not clear whether they refer to the same thing. Please clarify throughout the manuscript.

**Response**: These two statements refer to same medium formulation. Statement in line 91 was clarified and “complete DMEM” statement was used throuhout the manuscript (line 106, 113,120,124,144,166,188,206,228,238,244,256,284,295).

1. These two steps have been reorganized. Please check for accuracy. Please add more details to step 1.7.

**Response:** Authors agreed with the reorganized parts and step 1.7 was detailed.

1. From step 1.6? Please specify.

**Response:** Required statement was added.

1. Please specify from which step the cells are obtained.

**Response**: Required statement was added.

1. Please specify the concentration/volume of antibodies used, if applicable.

**Response**: Concentration and volüme of the antibodies were added to 2.2.4

1. Please describe how flow cytometry analysis is done.

**Response:** Required explanation was added as a note to 2.2.5

1. Does it refer to complete DMEM medium with 10% FBS and 1% PSA mentioned in line 91?

**Response:** Yes it refers to same medium formulation in line 91. Required explanation was added.

1. Although a reference has been provided, more details about how to actually perform these analyses are needed for filming. Please consider un-highlighting this step.

**Response**: These analyses are not the main experiments for this manuscript. Therefore, we included von Kossa and Alcian blue staining as note to the part 2.3.4. von Kossa and Alcian blue were added to the table of materials. Because von Kossa and Alcian blue stainings might be visually suitable for filming, we preferred to include.

1. What media? And from which step? Please specify.

**Response**: Required statement was added.

1. We generally require software steps to be more explicitly explained ('click', 'select', etc.). Please add such details.

**Response**: Software steps were detailed as note in step 4.4.4

1. Should this be flow cytometry analysis?

**Response**: The heading of step 6 was changed.

1. Although a reference has been provided, more details about how to actually label the cells are needed for filming. Otherwise we can not film this step.

**Response:** Steps of 6.1 to 6.4 explain the staining process according to the manufacturer’s instructions

1. Please include the information of the commercial kit in the Table of Materials.

**Response**: PKH67 and PKH26 staining kits have already been inluded to the table of materials.

1. Do you have any funding sources supporting this work? If so, they should be mentioned in this section.

**Response:** This study was supported by Yeditepe University and required statement was added to the Acknowledgements part.