1. Please take this opportunity to thoroughly proofread the manuscript to ensure that there are no spelling or grammar issues.

**We carefully proofread the manuscript to fix spelling and grammar issues.**

2. Please do not highlight notes for filming.

**We modified the highlighted text as requested.**

3. JoVE cannot publish manuscripts containing commercial language. This includes company names of an instrument or reagent. Please remove all commercial language from your manuscript and use generic terms instead. All commercial products should be sufficiently referenced in the Table of Materials and Reagents. Examples of commercial language in your manuscript include ficoll, Eppendorf, etc.

**We removed all commercial names from the manuscript as requested. We understand that ficoll is a registered trademark owned by GE Healthcare companies, however ficoll is de facto the reagent used to isolate mononuclear cells from whole blood. As such, we would prefer to maintain ficoll nomenclature in the main text to avoid confusion and complex terminologies such as “a polysaccharide density gradient “. Moreover, reporting ficoll by the commercial terminology is an accepted practice also present in manuscripts published in JoVE. If the editor feels that the word ficoll should be replaced with a different terminology, we will modify the manuscript following the reviewer’s suggestions.**

4. Please use h, min, s for time units.

**We modified the manuscript as advised.**

5. Please define all abbreviations before use.

**We reviewed the manuscript to ensure that all the abbreviations have been correctly defined before use.**

6. Please revise the text in Protocol to avoid the use of any personal pronouns (e.g., "we", "you", "our" etc.).

**We modified the manuscript as advised.**

7. Please remove the embedded Table from the manuscript. All tables should be uploaded separately to your Editorial Manager account in the form of an .xls or .xlsx file.

**We uploaded the tables 1 to 4 as .xlsx files.**

8. The highlighted protocol steps are over the 2.75 page limit (including spacing and headings).

**We changed the highlighted text to meet the 2.75 pages limit**

9. Step 3.2.2: Please write this step in imperative tense.

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10. 3.2.3: Please write this step in imperative tense.

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