**Initial 3D cell cluster control in a hybrid gel cube device for repeatable pattern formations**

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On behalf of all the authors, I would like to thank the editors for taking the time to carefully review our paper and for their insightful comments. The submitted manuscript (JoVE59214) has been revised based on the editor’s comments.

The point-by-point responses are as follows:

**Responses to Editorial comments**

1. There are still some spelling and grammatical errors (e.g., “planer” should be “planar”); please proofread further.  
**Response 1:** Professional editorial service was used to correct all grammatical errors and tracked all changes in the document.

2. Please rewrite the protocol in the imperative tense; e.g., “1.1. Prepare a polycarbonate (PC) cubic frame either by a machining process or using a 3D printer.”

**Response 2:** Corrected.

3. There are still some details that need to be further explained in the Protocol; see comments in the manuscript.

**Response 3:** The detailed were added individually to address the comments in the manuscript.

4. Formatted per JoVE guidelines (US letter-sized pages, spaces between each step, all text aligned to the left margin; see attached manuscript), the protocol is currently over 3 pages long (~3.5). There is a 2.75 page limit for filmable content; please highlight 2.75 pages or less of the Protocol (including headers and spacing) that identifies the essential steps of the protocol for the video, i.e., the steps that should be visualized to tell the most cohesive story of the Protocol. Remember that non-highlighted Protocol steps will remain in the manuscript, and therefore will still be available to the reader.

**Response 4:** The essential steps of the protocol were highlighted in the manuscript and currently the length is less than 2.5 page.

5. Figure 1: “μL”, not “μl”. Also, it appears that “°C” is of different font from the rest of the Figure; can you correct that? Lastly, what is the thickness of the cubic frame?

**Response 5:** Corrected

6. Figure 2B: Can you provide schematics for the micromolds seen here?

**Response 6:** We do not consider that schematics is required for this micromolds. Besides, those are the examples of the mold.

7. Figure 3A: There appears to already be a micromold in the frame, in contrast to the protocol and legend which indicates it is added later.

**Response 7:** Corrected.

8. Figure 3E: “Apply medium with lower than top surface” is unclear; perhaps “Add medium to a level lower that that of the top surface” or similar.’

**Response 8:** Corrected.

9. Figure 4/5: Please explain the cameras/lenses in the Legends.

**Response 9:** The objective lens information was added in the Legends.

10. Figure 5: What is the image in the lower right-a 3d reconstruction of what is seen in the other panels, or just a schematic? Also, what are the scale bars?

**Response 10:** It is just schematic which reviewer requested previously. The explanation and scale bar was added in the legend.

11. Please ensure that all items used in the protocol are in the Table of Materials.

**Response 11:** Done.