**JoVE MS # 51743**

**TITLE:** Prototype Point-of-Care Blood Diagnostic Assembly with a Flow Cytometry Design for In-Flight Reduced-Gravity Environment Demonstration

**[blue stamps]** = Video files uploaded by the author on the FTP site or DVD

Yellow = JoVE Produced

Green = Author provided DVD/FTP videos

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| --- | --- | --- |
| **Protocol step number** | **Supplementary video File/Folder name** | **Video recommended/suggested by the author**  **(file name in FTP) or from DVD** |
| **1.1** | **[lunar g]** | Videos labeled “lunar g-2” and “lunar g-5” adequate display the lunar g effect  For more footage from DVD, all of Chapters 2+3 involved lunar gravity |
| **[micro g]**  (*to note the differences in conditions*) | Videos labeled “micro g-3” and “micro g-6” adequate display the micro g effect.  For more footage from DVD, all of Chapters 4+5 involved lunar gravity |
| **1.1.6** | **[opt block]** | none |
| **1.4.1.1** | **[cabin view]** | Video “cabin view f1-4” features our group in the right upper corner of the video (~6 to 7 seconds in), and would be a good choice.  Video “cabin view f2-4” shows several rigs in a confined space, and would be a good choice.  From DVD:  Chapter 2: 0:14 to 0:28 Our team is visible in top right, I am moving up and down operating our system in the cabin environment.  Chapter 3: 2:07 to 2:10 shows multiple rigs in a confined space |
| **[test op]** | DVD Chapter 3,  @5:34 our system is viewed in operation. Operators change  position around 5:43  Also test operation at 11:18 to 11:31 |
| **1.7.2.1** | **[motion test]** | none |
| **2.3.7** | **[alt user]** | none |
|  |  |  |
| **3.7** | **[op pos]** | DVD Chapter 3,  1:37 to 1:45 |
| **[head crash]** | none |
| **3.8.2** | **[lunar g blood mix]** | none |
| **3.8.3** | **[air bubble]** | none |
| **3.8.4** | **[lunar g dye mix]** | none |
| **3.9.6** | **[samp load]** | none |
| **3.9.7** | **[samp load]** | none |
| **3.9.9** | **[samp load]** | none |