**Table S3**: Series of ImageJ commands used for counting viability of one cell type in a co-culutre of two cell types.

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| Step | Commands |
| 1) Converting to binary image | “Image” → “Adjust” → “Threshold” (Otsu’s method), “Red” 🗸, “Dark Background” 🗸; proceeding without confirmation |
| 2) Selecting foreground | “Edit” → “Selection” → “Create selection” |
| 3) Creating region of interest (ROI) | ROI added to the “ROI Manager” by pressing “T”; ROI renamed |
| 4) Steps 1-3 repeated for each relevant channel.  |
| 5) Creating overlap of ROIs | Desired ROIs selected in ROI Manager → “More” → “AND” → overlap added to the “ROI Manager” by pressing “T”; ROI (overlap) renamed |
| 6) Setting the measurement parameters | “Analyze” → “Set measurements” → “Area” 🗸, “Display Label” 🗸 → “OK”; |
| 7) Measuring the area of each ROI | For each desired combination of a channel and a ROI, a window with the corresponding channel was selected and then the ROI was chosen in “ROI Manager”.“ROI Manager”: “Measure” The “Total Area” value was used for subsequent calculation.  |
| 8) Measuring the viability of one cell type in co-culture of two cell types | Example:Channel 1 = All CLL cells Channel 2 = All dead cells (dead M2-10B4 cells, dead CLL cells)Channel 3 = All M2-10B4 cellsChannel 4 = Transmission channelTo count viability of CLL cells, steps 1-3 were performed for channel 1 and 2. Overlap was performed with ROIs from channel 1 and 2 (i.e., overlap includes only dead CLL cells). While selecting the Channel 1 window, ROI created from channel 1 was measured (Total Area 1 = number of all CLL cells). Then, in the Channel 1 window, ROI created from overlap was measured (Total Area 2 = number of dead CLL cells). Viability of CLL cells = 100%-((Total Area 2/Total Area 1)\*100)) |