The recipe segments the Nb particles and the Cu particles.

**Recipe Step Documentation**

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| **Step** | **Name** | **Purpose** | **Sensitive to spatial resolution** |
| 1 | Reference | Reference image. |  |
| 2 | Convert Image Type | Allows to extract the blue channel to analyze Nb. |  |
| 3 | Hysteresis Thresholding | Threshold on Nb. The hysteresis thresholding allows to propagate the threshold to pixels above the lower threshold if they are connected to pixels selected by the highest threshold. This procedure allows to threshold full particles while avoiding noise. |  |
| 4 | Labeling | Assign a label number to each set of connected pixels. |  |
| 5 | Reference | Reference image. |  |
| 6 | Convert Image Type | Allows to extract the green channel to analyze Cu. |  |
| 7 | Hysteresis Thresholding | Threshold on Ci. The hysteresis thresholding allows to propagate the threshold to pixels above the lower threshold if they are connected to pixels selected by the highest threshold. This procedure allows to threshold full particles while avoiding noise. |  |
| 8 | Labeling | Assign a label number to each set of connected pixels. |  |