The recipe classifies the pores in a battery separator.

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| **Step** | **Name** | **Purpose** | **Sensitive to spatial resolution** |
| 1 | Reference | Reference image. |  |
| 2 | Non-Local Means Filter | Allows to denoise while preserving structures of interest. | Yes |
| 3 | Invert | Prepare image for the hysteresis thresholding to come up. |  |
| 4 | Hysteresis Thresholding | To find the porosities. 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 porosities while avoiding noise. |  |
| 5 | Fill Holes | To fill holes inside the porosities |  |
| 6 | Labelling | To get one label per porosity. |  |