



## **Terminologies for Defining Organoid Culture Status**

*When defining the outcome of an organoid culture initiated from a patient tumor (surgical material or a biopsy), we use the following terminologies for communicating/defining and documenting the status of the culture to communicate among members of the laboratory and for publication purposes.*

1. **Lack of tumor cells:** due to (select one)
  - Size of tumor tissue received.
  - Too much blood in the tissue
  - Tissue received from/contains adjacent stroma.
  
2. **Initiation Phase:**
  - Live tumor cells upon plating but failed to divide or increase in cell number.
  
3. **Expansion Phase:**
  - Presence of viable cells over days to weeks, and able to sustain a 1:1 passage with occasional 1:2 passage.
  
4. **Establishment Phase:**
  - The organoid line can be passaged 1:2 for more than 3 passages in a row and shows evidence of cell number increase after every passage.
  
5. **Established organoid line:**
  - The organoids can sustain continuous 1:2 or 1:3 split over 10 passages

