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Information required for expansion of cancer cells from tumor specimens

1. Nature of cancer.
2. Sample nature – isolated tumor cells or fresh biopsy or viable frozen sample. If frozen, expected viability upon thawing.
3. If biopsy sample, information about tumor cell isolation method – specifically what enzyme to use to digest the specimen to isolate single cells.
4. Any information about growth factor requirement and growth medium to maintain these cancer cells.
5. If biopsy sample, size of the sample and expected number of tumor cells.
6. Clinical data – percentage of tumor cells and non-tumor cells (tumor microenvironment [TME] cells) in tumor biopsy specimen.
7. A minimum of 60% tumor cells is required. Both tumor cells and TME cells will be expanded by Clonexpress proprietary technology.
8. Number of tumor cells in the specimen will determine the turnaround time - 6-8 weeks for a sample size of 10^6 tumor cells, and 4-6 weeks for a sample size of 5×10^6 cells. Clonexpress will expand and supply 50 million cells frozen in 5 vials.
9. Are they tested for HIV and hepatitis viruses – We will accept only if they are HIV, HBV and HCV negative.

The cost for cancer cell expansion service will be discussed with the client upon receipt of the above information.