

Progenics Cord Blood Cryobank Annual Quality Report



Company Profile

Progenics Cord Blood Cryobank is a leader in delivering consistent, high quality cord blood processing results, with over 15 years of experience in the cord blood banking industry. Progenics is AABB Accredited and is registered with both Health Canada and the Food and Drug Administration (FDA) in the United States. The company's mission is to provide the highest quality processing and long-term safe, secure storage of cord blood stem cells, to ensure their availability when needed.

Progenics Cord Blood Cryobank's *modified double stem cell extraction processing technique*, developed by the company's Research and Development Team, ensures that they can guarantee every processed cord blood sample will have a minimum yield of 85% Total Nucleated Cells (TNC).

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Report Summary

This quality report summarizes the processing results from all the cord blood samples processed by Progenics Cord Blood Cryobank from January 01, 2020 to June 30, 2020. The quality indicators referenced in this report present 3 key variables: the yield of total nucleated cells (TNC); total nucleated cell viability, and CD34+ viability.

This report also compares the average monthly and annual percentage yields of TNC including stem cells, the average percentage of total viable nucleated cells, and the average percentage of viable CD34+ cells.

Progenics uses a *modified double stem cell extraction processing technique* which ensures that a higher number of viable nucleated cells are banked for potential medical need. Based on this technique, the average recovery rate for TNCs banked has been 95.66%, which is significantly greater than the industry average and the guaranteed quality standard Progenics offers to each client.

2020 Monthly Report

Month	Total Nucleated Cells (TNC) Yield (%)	Total Viable Nucleated Cells (TVNC) (%)	CD34+ Viability (%)
January	97.09	93.15	99.41
February	95.80	92.95	99.12
March	95.27	94.12	99.18
April	95.26	94.93	99.37
May	95.52	92.87	98.95
June	95.02	95.70	99.51
July	-	-	-
August	-	-	-
September	-	-	-
October	-	-	-
November	-	-	-
December	-	-	-
Annual average	95.66	93.95	99.26

Notes:

TNC TNC includes all nucleated cells such as stem cells and nucleated red blood cells.

TVNC Total Viable Nucleated Cells

CD34+ Hematopoietic Progenitor Cells

Viability Cell viability is a determination of whether cells are living or dead, based on a total cell sample. The viability of cells is evaluated by either measurement of cell membrane integrity or by measuring certain functions of the cells from a total cell sample.

TNC Yield (%) of Cord Blood Samples Processed from January to June 2020

