

Table S1. Acceptable range of results outlined by the Hellenic Cord Blood Bank for processing and storage of cord blood units.

Criteria	Unrelated	Related Allogeneic
Collection bag mixed	120 – 280 gr	100 – 220 gr
WBC absolute count	120 – 250 x 10 ⁷ cells	100 – 250 x 10 ⁷ cells
WBC concentration	13 – 29.5 cells/ μ L	10 – 29.5 cells/ μ L
Cell Viability	85 – 100%	85 – 100%

Table S2. List of parent ions and fragments used in MRM analysis of PB-PL and CB-PL growth factors.

Parent Ion (m/z) (z=1)	Fragment ion (m/z)	Fragment ion information
565,296027	888,442137	sp P09919 CSF3_HUMAN.IQGDGAALQEK.+2y9.light
565,296027	716,39373	sp P09919 CSF3_HUMAN.IQGDGAALQEK.+2y7.light
565,296027	588,335152	sp P09919 CSF3_HUMAN.IQGDGAALQEK.+2y5.light
565,296027	517,298038	sp P09919 CSF3_HUMAN.IQGDGAALQEK.+2y4.light
565,296027	508,753995	sp P09919 CSF3_HUMAN.IQGDGAALQEK.+2y10+2.light
761,896637	1031,547999	sp P01579 IFNG_HUMAN.LTNYSVTDLNVQR.+2y9.light
761,896637	944,51597	sp P01579 IFNG_HUMAN.LTNYSVTDLNVQR.+2y8.light
761,896637	845,447556	sp P01579 IFNG_HUMAN.LTNYSVTDLNVQR.+2y7.light
761,896637	744,399878	sp P01579 IFNG_HUMAN.LTNYSVTDLNVQR.+2y6.light
761,896637	516,288871	sp P01579 IFNG_HUMAN.LTNYSVTDLNVQR.+2y4.light
607,669478	786,435595	sp P01579 IFNG_HUMAN.AIHელიQVMAELSPAACK.+3y8.light
607,669478	715,398481	sp P01579 IFNG_HUMAN.AIHელიQVMAELSPAACK.+3y7.light
607,669478	586,355888	sp P01579 IFNG_HUMAN.AIHელიQVMAELSPAACK.+3y6.light
607,669478	473,271824	sp P01579 IFNG_HUMAN.AIHელიQVMAELSPAACK.+3y5.light
607,669478	386,239795	sp P01579 IFNG_HUMAN.AIHელიQVMAELSPAACK.+3y4.light
499,224016	781,366135	sp P15260 INGR1_HUMAN.SEEFAVC[CAM]R.+2y6.light
499,224016	652,323542	sp P15260 INGR1_HUMAN.SEEFAVC[CAM]R.+2y5.light
499,224016	505,255128	sp P15260 INGR1_HUMAN.SEEFAVC[CAM]R.+2y4.light
499,224016	434,218014	sp P15260 INGR1_HUMAN.SEEFAVC[CAM]R.+2y3.light
499,224016	335,1496	sp P15260 INGR1_HUMAN.SEEFAVC[CAM]R.+2y2.light
887,966728	1199,59428	sp P15260 INGR1_HUMAN.YVSLITSYQPFSLK.+2y10.light
887,966728	1098,546602	sp P15260 INGR1_HUMAN.YVSLITSYQPFSLK.+2y9.light

887,966728	1011,514573	sp P15260 INGR1_HUMAN.YVSLITSYQPFPSLEK.+2y8.light
887,966728	848,451245	sp P15260 INGR1_HUMAN.YVSLITSYQPFPSLEK.+2y7.light
887,966728	720,392667	sp P15260 INGR1_HUMAN.YVSLITSYQPFPSLEK.+2y6.light
620,854043	871,499592	sp P01375 TNFA_HUMAN.ANALLANGVELR.+2y8.light
620,854043	758,415528	sp P01375 TNFA_HUMAN.ANALLANGVELR.+2y7.light
620,854043	687,378414	sp P01375 TNFA_HUMAN.ANALLANGVELR.+2y6.light
620,854043	573,335487	sp P01375 TNFA_HUMAN.ANALLANGVELR.+2y5.light
620,854043	417,245609	sp P01375 TNFA_HUMAN.ANALLANGVELR.+2y3.light
911,977961	1210,694269	sp P01583 IL1A_HUMAN.NYFTSVAHPNLFIA TK.+2y11.light
911,977961	1111,625855	sp P01583 IL1A_HUMAN.NYFTSVAHPNLFIA TK.+2y10.light
911,977961	1040,588741	sp P01583 IL1A_HUMAN.NYFTSVAHPNLFIA TK.+2y9.light
911,977961	903,529829	sp P01583 IL1A_HUMAN.NYFTSVAHPNLFIA TK.+2y8.light
911,977961	773,424833	sp P01583 IL1A_HUMAN.NYFTSVAHPNLFIA TK.+2y14+2.light
612,320656	1023,517944	sp P01584 IL1B_HUMAN.SLVMSGPYELK.+2y9.light
612,320656	924,44953	sp P01584 IL1B_HUMAN.SLVMSGPYELK.+2y8.light
612,320656	793,409046	sp P01584 IL1B_HUMAN.SLVMSGPYELK.+2y7.light
612,320656	706,377017	sp P01584 IL1B_HUMAN.SLVMSGPYELK.+2y6.light
612,320656	512,26261	sp P01584 IL1B_HUMAN.SLVMSGPYELK.+2y9+2.light
528,942032	787,41961	sp P01584 IL1B_HUMAN.DDKPTLQLESVDPK.+3y7.light
528,942032	674,335546	sp P01584 IL1B_HUMAN.DDKPTLQLESVDPK.+3y6.light
528,942032	545,292953	sp P01584 IL1B_HUMAN.DDKPTLQLESVDPK.+3y5.light
528,942032	458,260925	sp P01584 IL1B_HUMAN.DDKPTLQLESVDPK.+3y4.light
528,942032	677,882467	sp P01584 IL1B_HUMAN.DDKPTLQLESVDPK.+3y12+2.light
874,126544	1130,605179	sp P60568 IL2_HUMAN.HLQC[CAM]LEELKPLEEVLNLAQSK.+3y10.light
874,126544	773,451579	sp P60568 IL2_HUMAN.HLQC[CAM]LEELKPLEEVLNLAQSK.+3y7.light

874,126544	1185,61469	sp P60568 IL2_HUMAN.HLQC[CAM]LEELKPLEEVLNLAQSK.+3y20+2.light
874,126544	855,985452	sp P60568 IL2_HUMAN.HLQC[CAM]LEELKPLEEVLNLAQSK.+3y15+2.light
874,126544	791,464155	sp P60568 IL2_HUMAN.HLQC[CAM]LEELKPLEEVLNLAQSK.+3y14+2.light
663,356616	1012,542185	sp P05231 IL6_HUMAN.EALAENNLNLPK.+2y9.light
663,356616	941,505071	sp P05231 IL6_HUMAN.EALAENNLNLPK.+2y8.light
663,356616	812,462478	sp P05231 IL6_HUMAN.EALAENNLNLPK.+2y7.light
663,356616	471,292559	sp P05231 IL6_HUMAN.EALAENNLNLPK.+2y4.light
663,356616	563,316763	sp P05231 IL6_HUMAN.EALAENNLNLPK.+2y10+2.light
1107,096262	1197,626249	sp P05231 IL6_HUMAN.IITGLLEFEVYLEYLQNR.+2y9.light
1107,096262	935,494506	sp P05231 IL6_HUMAN.IITGLLEFEVYLEYLQNR.+2y7.light
1107,096262	822,410442	sp P05231 IL6_HUMAN.IITGLLEFEVYLEYLQNR.+2y6.light
1107,096262	693,367849	sp P05231 IL6_HUMAN.IITGLLEFEVYLEYLQNR.+2y5.light
1107,096262	530,304521	sp P05231 IL6_HUMAN.IITGLLEFEVYLEYLQNR.+2y4.light
883,958911	1047,550307	sp P10145 IL8_HUMAN.VIESGPHC[CAM]ANTEIIVK.+2y9.light
883,958911	834,424704	sp P10145 IL8_HUMAN.VIESGPHC[CAM]ANTEIIVK.+2y15+2.light
883,958911	777,882672	sp P10145 IL8_HUMAN.VIESGPHC[CAM]ANTEIIVK.+2y14+2.light
883,958911	713,361376	sp P10145 IL8_HUMAN.VIESGPHC[CAM]ANTEIIVK.+2y13+2.light
883,958911	641,334629	sp P10145 IL8_HUMAN.VIESGPHC[CAM]ANTEIIVK.+2y11+2.light
730,852861	827,436992	sp Q15628 TRADD_HUMAN.C[CAM]LSC[CAM]ILAQQPDR.+2y7.light
730,852861	714,352928	sp Q15628 TRADD_HUMAN.C[CAM]LSC[CAM]ILAQQPDR.+2y6.light
730,852861	643,315814	sp Q15628 TRADD_HUMAN.C[CAM]LSC[CAM]ILAQQPDR.+2y5.light
730,852861	515,257236	sp Q15628 TRADD_HUMAN.C[CAM]LSC[CAM]ILAQQPDR.+2y4.light
730,852861	387,198659	sp Q15628 TRADD_HUMAN.C[CAM]LSC[CAM]ILAQQPDR.+2y3.light
733,885541	1004,552356	sp Q15628 TRADD_HUMAN.EGLYEQAFQLLR.+2y8.light
733,885541	875,509763	sp Q15628 TRADD_HUMAN.EGLYEQAFQLLR.+2y7.light

733,885541	747,451185	sp Q15628 TRADD_HUMAN.EGLYEQAFQLLR.+2y6.light
733,885541	676,414071	sp Q15628 TRADD_HUMAN.EGLYEQAFQLLR.+2y5.light
733,885541	529,345657	sp Q15628 TRADD_HUMAN.EGLYEQAFQLLR.+2y4.light
872,458516	1195,100073	sp P14778 IL1R1_HUMAN.IILVSSANEIDVRPC[CAM]PLNPNEHK.+3y21+2.light
872,458516	1138,558041	sp P14778 IL1R1_HUMAN.IILVSSANEIDVRPC[CAM]PLNPNEHK.+3y20+2.light
872,458516	1089,023834	sp P14778 IL1R1_HUMAN.IILVSSANEIDVRPC[CAM]PLNPNEHK.+3y19+2.light
872,458516	730,874984	sp P14778 IL1R1_HUMAN.IILVSSANEIDVRPC[CAM]PLNPNEHK.+3y12+2.light
872,458516	681,340777	sp P14778 IL1R1_HUMAN.IILVSSANEIDVRPC[CAM]PLNPNEHK.+3y11+2.light
742,335358	859,413085	sp P14778 IL1R1_HUMAN.VEDSGHYC[CAM]VVR.+2y6.light
742,335358	696,349757	sp P14778 IL1R1_HUMAN.VEDSGHYC[CAM]VVR.+2y5.light
742,335358	628,279854	sp P14778 IL1R1_HUMAN.VEDSGHYC[CAM]VVR.+2y10+2.light
742,335358	570,766383	sp P14778 IL1R1_HUMAN.VEDSGHYC[CAM]VVR.+2y9+2.light
742,335358	498,739637	sp P14778 IL1R1_HUMAN.VEDSGHYC[CAM]VVR.+2y7+2.light
642,274733	767,368243	sp P31785 IL2RG_HUMAN.TDWDHSWTEQSVDYR.+3y6.light
642,274733	552,277637	sp P31785 IL2RG_HUMAN.TDWDHSWTEQSVDYR.+3y4.light
642,274733	453,209223	sp P31785 IL2RG_HUMAN.TDWDHSWTEQSVDYR.+3y3.light
642,274733	338,18228	sp P31785 IL2RG_HUMAN.TDWDHSWTEQSVDYR.+3y2.light
642,274733	854,87115	sp P31785 IL2RG_HUMAN.TDWDHSWTEQSVDYR.+3y13+2.light
972,4683	1054,542854	sp P08887 IL6RA_HUMAN.DLQHHC[CAM]VIHDAWSGLR.+2y9.light
972,4683	941,45879	sp P08887 IL6RA_HUMAN.DLQHHC[CAM]VIHDAWSGLR.+2y8.light
972,4683	689,372935	sp P08887 IL6RA_HUMAN.DLQHHC[CAM]VIHDAWSGLR.+2y6.light
972,4683	914,954829	sp P08887 IL6RA_HUMAN.DLQHHC[CAM]VIHDAWSGLR.+2y15+2.light
972,4683	794,383508	sp P08887 IL6RA_HUMAN.DLQHHC[CAM]VIHDAWSGLR.+2y13+2.light
891,540828	856,561464	sp Q13651 I10R1_HUMAN.MLPC[CAM]LVVLLAALLSLR.+2y8.light
891,540828	743,4774	sp Q13651 I10R1_HUMAN.MLPC[CAM]LVVLLAALLSLR.+2y7.light

891,540828	601,403172	sp Q13651 I10R1_HUMAN.MLPC[CAM]LVVLLAALLSLR.+2y5.light
891,540828	488,319108	sp Q13651 I10R1_HUMAN.MLPC[CAM]LVVLLAALLSLR.+2y4.light
891,540828	584,394816	sp Q13651 I10R1_HUMAN.MLPC[CAM]LVVLLAALLSLR.+2y11+2.light
702,369526	1176,604785	sp Q08334 I10R2_HUMAN.NILQWESPAFAK.+2y10.light
702,369526	1063,520721	sp Q08334 I10R2_HUMAN.NILQWESPAFAK.+2y9.light
702,369526	935,462144	sp Q08334 I10R2_HUMAN.NILQWESPAFAK.+2y8.light
702,369526	749,382831	sp Q08334 I10R2_HUMAN.NILQWESPAFAK.+2y7.light
702,369526	620,340238	sp Q08334 I10R2_HUMAN.NILQWESPAFAK.+2y6.light
686,837536	1122,524821	sp P15692 VEGFA_HUMAN.HLFVQDPQTC[CAM]K.+2y9.light
686,837536	975,456407	sp P15692 VEGFA_HUMAN.HLFVQDPQTC[CAM]K.+2y8.light
686,837536	876,387993	sp P15692 VEGFA_HUMAN.HLFVQDPQTC[CAM]K.+2y7.light
686,837536	748,329415	sp P15692 VEGFA_HUMAN.HLFVQDPQTC[CAM]K.+2y6.light
686,837536	633,302472	sp P15692 VEGFA_HUMAN.HLFVQDPQTC[CAM]K.+2y5.light
788,35903	1188,553144	sp P10147 CCL3_HUMAN.QVC[CAM]ADPSEEWVQK.+2y10.light
788,35903	1117,51603	sp P10147 CCL3_HUMAN.QVC[CAM]ADPSEEWVQK.+2y9.light
788,35903	1002,489087	sp P10147 CCL3_HUMAN.QVC[CAM]ADPSEEWVQK.+2y8.light
788,35903	560,319108	sp P10147 CCL3_HUMAN.QVC[CAM]ADPSEEWVQK.+2y4.light
788,35903	674,795534	sp P10147 CCL3_HUMAN.QVC[CAM]ADPSEEWVQK.+2y11+2.light
894,763383	721,424302	sp P13236 CCL4_HUMAN.NFVVDYYETSSLC[CAM]SQPAVVFQTK.+3y6.light
894,763383	622,355888	sp P13236 CCL4_HUMAN.NFVVDYYETSSLC[CAM]SQPAVVFQTK.+3y5.light
894,763383	523,287474	sp P13236 CCL4_HUMAN.NFVVDYYETSSLC[CAM]SQPAVVFQTK.+3y4.light
894,763383	1211,085765	sp P13236 CCL4_HUMAN.NFVVDYYETSSLC[CAM]SQPAVVFQTK.+3y21+2.light
894,763383	1161,551558	sp P13236 CCL4_HUMAN.NFVVDYYETSSLC[CAM]SQPAVVFQTK.+3y20+2.light
824,445628	1219,65688	sp P19320 VCAM1_HUMAN.SLEVTFTPVIEDIGK.+2y11.light
824,445628	1118,609202	sp P19320 VCAM1_HUMAN.SLEVTFTPVIEDIGK.+2y10.light

824,445628	971,540788	sp P19320 VCAM1_HUMAN.SLEVTFTPVEDIGK.+2y9.light
824,445628	870,49311	sp P19320 VCAM1_HUMAN.SLEVTFTPVEDIGK.+2y8.light
824,445628	659,866285	sp P19320 VCAM1_HUMAN.SLEVTFTPVEDIGK.+2y12+2.light
756,414242	626,362036	sp P19320 VCAM1_HUMAN.EVELIVQEKPFTEISPGPR.+3y6.light
756,414242	513,277972	sp P19320 VCAM1_HUMAN.EVELIVQEKPFTEISPGPR.+3y5.light
756,414242	426,245943	sp P19320 VCAM1_HUMAN.EVELIVQEKPFTEISPGPR.+3y4.light
756,414242	842,456861	sp P19320 VCAM1_HUMAN.EVELIVQEKPFTEISPGPR.+3y15+2.light
756,414242	600,324588	sp P19320 VCAM1_HUMAN.EVELIVQEKPFTEISPGPR.+3y11+2.light
706,864077	1051,520721	sp P05362 ICAM1_HUMAN.TFLTIVYWTPER.+2y8.light
706,864077	851,404629	sp P05362 ICAM1_HUMAN.TFLTIVYWTPER.+2y6.light
706,864077	688,3413	sp P05362 ICAM1_HUMAN.TFLTIVYWTPER.+2y5.light
706,864077	502,261987	sp P05362 ICAM1_HUMAN.TFLTIVYWTPER.+2y4.light
706,864077	401,214309	sp P05362 ICAM1_HUMAN.TFLTIVYWTPER.+2y3.light
924,469643	1208,699748	sp P05362 ICAM1_HUMAN.SFSC[CAM]SATLEVAGQLIHK.+2y11.light
924,469643	994,568006	sp P05362 ICAM1_HUMAN.SFSC[CAM]SATLEVAGQLIHK.+2y9.light
924,469643	865,525413	sp P05362 ICAM1_HUMAN.SFSC[CAM]SATLEVAGQLIHK.+2y8.light
924,469643	766,456999	sp P05362 ICAM1_HUMAN.SFSC[CAM]SATLEVAGQLIHK.+2y7.light
924,469643	695,419885	sp P05362 ICAM1_HUMAN.SFSC[CAM]SATLEVAGQLIHK.+2y6.light
763,052428	1014,507714	sp P04085 PDGFA_HUMAN.SQVDPTSANFLIWPPC[CAM]VEVK.+3y8.light
763,052428	828,428401	sp P04085 PDGFA_HUMAN.SQVDPTSANFLIWPPC[CAM]VEVK.+3y7.light
763,052428	731,375637	sp P04085 PDGFA_HUMAN.SQVDPTSANFLIWPPC[CAM]VEVK.+3y6.light
763,052428	507,757495	sp P04085 PDGFA_HUMAN.SQVDPTSANFLIWPPC[CAM]VEVK.+3y8+2.light
763,052428	414,717839	sp P04085 PDGFA_HUMAN.SQVDPTSANFLIWPPC[CAM]VEVK.+3y7+2.light
625,321522	1002,573091	sp P13501 CCL5_HUMAN.C[CAM]SNPAVVFVTR.+2y9.light
625,321522	888,530164	sp P13501 CCL5_HUMAN.C[CAM]SNPAVVFVTR.+2y8.light

625,321522	720,440286	sp P13501 CCL5_HUMAN.C[CAM]SNPAVVFVTR.+2y6.light
625,321522	522,303458	sp P13501 CCL5_HUMAN.C[CAM]SNPAVVFVTR.+2y4.light
625,321522	375,235044	sp P13501 CCL5_HUMAN.C[CAM]SNPAVVFVTR.+2y3.light
825,907733	1207,606576	sp P01137 TGFB1_HUMAN.DNTLQVDINGFTTGR.+2y11.light
825,907733	1079,547999	sp P01137 TGFB1_HUMAN.DNTLQVDINGFTTGR.+2y10.light
825,907733	980,479585	sp P01137 TGFB1_HUMAN.DNTLQVDINGFTTGR.+2y9.light
825,907733	752,368578	sp P01137 TGFB1_HUMAN.DNTLQVDINGFTTGR.+2y7.light
825,907733	434,235772	sp P01137 TGFB1_HUMAN.DNTLQVDINGFTTGR.+2y4.light
594,823897	960,529512	sp P01137 TGFB1_HUMAN.VEQLSNMIVR.+2y8.light
594,823897	832,470934	sp P01137 TGFB1_HUMAN.VEQLSNMIVR.+2y7.light
594,823897	719,38687	sp P01137 TGFB1_HUMAN.VEQLSNMIVR.+2y6.light
594,823897	632,354842	sp P01137 TGFB1_HUMAN.VEQLSNMIVR.+2y5.light
594,823897	480,768394	sp P01137 TGFB1_HUMAN.VEQLSNMIVR.+2y8+2.light
637,294016	1031,454098	sp P09038 FGF2_HUMAN.LESNNTYR.+2y8.light
637,294016	830,379142	sp P09038 FGF2_HUMAN.LESNNTYR.+2y6.light
637,294016	716,336215	sp P09038 FGF2_HUMAN.LESNNTYR.+2y5.light
637,294016	553,272886	sp P09038 FGF2_HUMAN.LESNNTYR.+2y4.light
637,294016	439,229959	sp P09038 FGF2_HUMAN.LESNNTYR.+2y3.light
545,820095	906,511736	sp P09038 FGF2_HUMAN.AILFLPSAK.+2y8.light
545,820095	793,427672	sp P09038 FGF2_HUMAN.AILFLPSAK.+2y7.light
545,820095	646,359259	sp P09038 FGF2_HUMAN.AILFLPSAK.+2y6.light
545,820095	510,301538	sp P09038 FGF2_HUMAN.AILFLPSAK.+2y9+2.light
545,820095	453,759506	sp P09038 FGF2_HUMAN.AILFLPSAK.+2y8+2.light
772,341991	1216,497286	sp P35968 VGFR2_HUMAN.VEVTEC[CAM]SDGLFC[CAM]K.+2y10.light
772,341991	1115,449607	sp P35968 VGFR2_HUMAN.VEVTEC[CAM]SDGLFC[CAM]K.+2y9.light

772,341991	986,407014	sp P35968 VGFR2_HUMAN.VEVTEC[CAM]SDGLFC[CAM]K.+2y8.light
772,341991	454,211866	sp P35968 VGFR2_HUMAN.VEVTEC[CAM]SDGLFC[CAM]K.+2y3.light
772,341991	658,286488	sp P35968 VGFR2_HUMAN.VEVTEC[CAM]SDGLFC[CAM]K.+2y11+2.light
740,887749	1034,551687	sp P35968 VGFR2_HUMAN.VEAFFIIEGAQEK.+2y9.light
740,887749	887,483273	sp P35968 VGFR2_HUMAN.VEAFFIIEGAQEK.+2y8.light
740,887749	774,399209	sp P35968 VGFR2_HUMAN.VEAFFIIEGAQEK.+2y7.light
740,887749	661,315145	sp P35968 VGFR2_HUMAN.VEAFFIIEGAQEK.+2y6.light
740,887749	532,272552	sp P35968 VGFR2_HUMAN.VEAFFIIEGAQEK.+2y5.light
749,896637	1213,653526	sp P17948 VGFR1_HUMAN.LGDLLQANVQQDGK.+2y11.light
749,896637	1100,569462	sp P17948 VGFR1_HUMAN.LGDLLQANVQQDGK.+2y10.light
749,896637	987,485398	sp P17948 VGFR1_HUMAN.LGDLLQANVQQDGK.+2y9.light
749,896637	859,426821	sp P17948 VGFR1_HUMAN.LGDLLQANVQQDGK.+2y8.light
749,896637	788,389707	sp P17948 VGFR1_HUMAN.LGDLLQANVQQDGK.+2y7.light
835,164666	694,413403	sp P32246 CCR1_HUMAN.LNLFGLVLP LLVM IIC[CAM]YTGIK.+3y6.light
835,164666	817,474623	sp P32246 CCR1_HUMAN.LNLFGLVLP LLVM IIC[CAM]YTGIK.+3y14+2.light
835,164666	768,948241	sp P32246 CCR1_HUMAN.LNLFGLVLP LLVM IIC[CAM]YTGIK.+3y13+2.light
835,164666	712,406209	sp P32246 CCR1_HUMAN.LNLFGLVLP LLVM IIC[CAM]YTGIK.+3y12+2.light
835,164666	655,864177	sp P32246 CCR1_HUMAN.LNLFGLVLP LLVM IIC[CAM]YTGIK.+3y11+2.light
858,435595	1205,604845	sp P37173 TGFR2_HUMAN.LPYHDFILED AASP K.+2y11.light
858,435595	1090,577902	sp P37173 TGFR2_HUMAN.LPYHDFILED AASP K.+2y10.light
858,435595	830,425424	sp P37173 TGFR2_HUMAN.LPYHDFILED AASP K.+2y8.light
858,435595	801,893563	sp P37173 TGFR2_HUMAN.LPYHDFILED AASP K.+2y14+2.light
858,435595	671,835516	sp P37173 TGFR2_HUMAN.LPYHDFILED AASP K.+2y12+2.light
922,410414	967,466577	sp P37173 TGFR2_HUMAN.NDLTC[CAM]C[CAM]LC[CAM]DFGLSLR.+2y8.light
922,410414	807,435929	sp P37173 TGFR2_HUMAN.NDLTC[CAM]C[CAM]LC[CAM]DFGLSLR.+2y7.light

922,410414	692,408986	sp P37173 TGFR2_HUMAN.NDLTC[CAM]C[CAM]LC[CAM]DFGLSLR.+2y6.light
922,410414	545,340572	sp P37173 TGFR2_HUMAN.NDLTC[CAM]C[CAM]LC[CAM]DFGLSLR.+2y5.light
922,410414	375,235044	sp P37173 TGFR2_HUMAN.NDLTC[CAM]C[CAM]LC[CAM]DFGLSLR.+2y3.light
1015,013457	960,485733	sp P37173 TGFR2_HUMAN.LDPTLSVDDLANSQVGTAR.+2y10.light
1015,013457	889,448619	sp P37173 TGFR2_HUMAN.LDPTLSVDDLANSQVGTAR.+2y9.light
1015,013457	775,405691	sp P37173 TGFR2_HUMAN.LDPTLSVDDLANSQVGTAR.+2y8.light
1015,013457	688,373663	sp P37173 TGFR2_HUMAN.LDPTLSVDDLANSQVGTAR.+2y7.light
1015,013457	900,957954	sp P37173 TGFR2_HUMAN.LDPTLSVDDLANSQVGTAR.+2y18+2.light
721,37534	1175,641899	sp P36897 TGFR1_HUMAN.HENILGFIAADNK.+2y11.light
721,37534	948,514908	sp P36897 TGFR1_HUMAN.HENILGFIAADNK.+2y9.light
721,37534	835,430844	sp P36897 TGFR1_HUMAN.HENILGFIAADNK.+2y8.light
721,37534	631,340966	sp P36897 TGFR1_HUMAN.HENILGFIAADNK.+2y6.light
721,37534	518,256902	sp P36897 TGFR1_HUMAN.HENILGFIAADNK.+2y5.light
760,371417	814,478128	sp P36897 TGFR1_HUMAN.NGTC[CAM]C[CAM]IADLGLAVR.+2y8.light
760,371417	743,441014	sp P36897 TGFR1_HUMAN.NGTC[CAM]C[CAM]IADLGLAVR.+2y7.light
760,371417	628,414071	sp P36897 TGFR1_HUMAN.NGTC[CAM]C[CAM]IADLGLAVR.+2y6.light
760,371417	515,330007	sp P36897 TGFR1_HUMAN.NGTC[CAM]C[CAM]IADLGLAVR.+2y5.light

Table S3. Mean platelet concentration of peripheral blood (n=50) and cord blood units (n=100), prior to platelet lysate production.

Total Platelet concentration (x10 ⁶ / ml)	
Peripheral Blood Units	440 ± 53
Cord Blood Units	245 ± 26

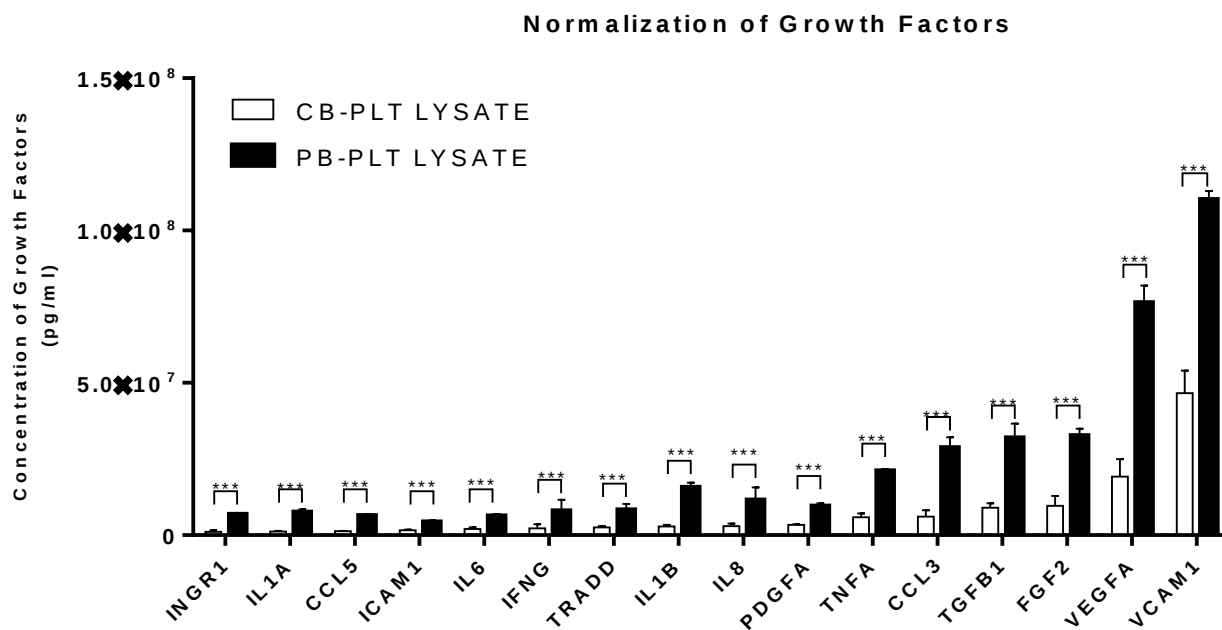


Figure S4. Relative signal intensity of PB and CB-PL growth factors. The MRM signal intensity for each growth factor was normalized with the protein concentration of each sample of PB-PL (n=4) and CB-PL (n=4). Statistical significant difference between PB and CB-PL relative signal intensity, ***p<0.001.

Table S5. Growth Promotion study of the Peripheral Blood and Cord Blood Units.

Tests	Peripheral Blood Units	Cord Blood Units	Acceptable Values
Anti-HIV I/II	Negative	Negative	<1.0 S/CO
Anti-HBs	Negative	Negative	<10 mIU/ml
HBsAg	Negative	Negative	<1.0 S/CO
Anti-HBcore	Negative	Negative	<1.0 S/CO
Anti-HGV	Negative	Negative	<1.0 S/CO
Anti-HTLV I/II	Negative	Negative	<1.0 S/CO
Anti-CMV-IgG	Negative	Negative	<1.0 AU/ml
Anti-HCV	Negative	Negative	<1.0 S/CO
Anti-HAV	Negative	Negative	<1.0 S/CO
Anti-WNV-IgG	Negative	Negative	<1.3 S/CO
Anti-WNV-IgM	Negative	Negative	<0.9 AU/ml
Anti-T.Pallidum	Negative	Negative	<1.0 AU/ml
Anti-T.cruzi	Negative	Negative	<1.0 AU/ml
BacT/Alert aerobic	Negative	Negative	-
BacT/Alert anaerobic	Negative	Negative	-
Blood Agar	No Growth	No Growth	<4-5 colonies
Sabouraud Agar	No Growth	No Growth	<1-3 colonies

Table S6. Validation of MSC final culture product expanded either with culture media containing FBS of PB-PL.

Tests	MSCs expanded with FBS	MSCs expanded with PB-PL	Acceptable Values
BacT/Alert aerobic	Negative	Negative	-
BacT/Alert anaerobic	Negative	Negative	-
Blood Agar	No Growth	No Growth	<4-5 colonies
Sabouraud Agar	No Growth	No Growth	<1-3 colonies
Endotoxin level	Negative	Negative	<2.5 EU/ml
Mycoplasma Test	Negative	Negative	<0.72 MycoAlert Ratio (RLUs)