

Hemoglobins According to Zone: Z1 - Z15

ZONE	Hemoglobins	ZONE	Hemoglobins
Z1	Hb Delta A2' Hasharon-Hb A2 variant Q-India-Hb A2 variant Q-Thailand-Hb A2 variant Winnipeg-Hb A2 variant Other alpha chain-A2 variants Other Hb A2 variants	Z7	Hb F Hb Q-Thailand/ G-Taichung Hb Porto-Alegre Hb Richmond Hb G-San Jose Hb Geldrop Santa Anna Hb Presbyterian (degraded Hb S)
Z2	Hb C Hb Constant Spring Setif-Hb A2 variant	Z8	Hb Atlanta Hb Athens-GA/ Waco acetylated Hb F
Z3	Hb A2 Hb O-Arab	Z9	Hb A Hb Okayama Hb Camperdown Hb Toulon Hb Hekinan Hb Phnom Penh Hb Raleigh Hb Fontainebleau Hb Mosella Hb Dallas Hb Aztec Hb Little Rock Hb Frankfurt
Z4	Hb E Hb Köln M-Iwate-Hb A2 variant Other Hb A2 variants (degraded Hb C)	Z10	Hb Hope Hb M-Iwate
Z5	Hb S Hb Hasharon Hb Handsworth (degraded Hb O-Arab)	Z11	Hb New York/ Kaohsiung Hb Himeji (degraded Hb A)
Z6	Hb D-Punjab/ Los Angeles Hb D-Ouled Rabah Hb D-Iran Hb Lepore Hb G-Philadelphia Hb Korle-Bu/ G-Accra Hb Köln Hb Osu Christiansborg Hb Winnipeg Hb Setif Hb Stanleyville II Hb G-Taipei Hb Q-India Hb Q-Iran Hb P-Nilotic J-Toronto-Hb A2 variant J-Rovigo-Hb A2 variant (degraded Hb E)	Z12	Hb Bart's Hb Providence Hb Mexico/ J-Paris-II Hb J-Baltimore Hb J-Broussais Hb J-Meinung/J-Bangkok Hb Ube-2 Hb J-Toronto
		Z13	Hb N-Baltimore Hb J-Rovigo
		Z15	Hb H

Hemoglobin Retention time

Variant name	n ^a	Retention time, ^b min
Hb Barts	ND ^f	0.2
Hb H	12	0.2
Hb F ₁	ND	0.5
Hb F	160 ^g	1.10 (0.017)
Hb Hope	11	1.39 (0.007)
Hb Camden	2	1.50; 1.48
Hb J-Oxford	1	1.60
Hb Austin	3	1.68 (0.017)
Hb N-Baltimore	6	1.70 (0.031)
Hb Fukuyama	2	1.72; 1.73
Hb Fannin-Lubbock	7	1.75 (0.024)
Hb J-Anatolia	2	1.75; 1.75
Hb J-Mexico	2	1.74; 1.78
Hb J-Meerut	2	1.88; 1.88
Hb J-Toronto	1	1.94
Hb J-Bangkok	1	2.02
Hb Ty Gard	1	2.20
Hb Köln ⁱ	2	2.26; 2.26 (4.93; 4.87) ^j
Hb A ₀	160 ^g	2.43 (0.041)
Hb New York	4 ^k	2.43 (0.010)
Hb Twin Peaks	3	Appears as hump
Hb Lepore	3	3.37 (0.019)
Hb D-Iran	1	3.49
Hb A ₂	160 ^g	3.63 (0.035)
Hb E	83 ^l	3.69 (0.069)
Hb Osu-Christiansborg	1	3.77
Hb G-Honolulu	1	3.86
Hb Korle-Bu	8	3.92 (0.050)
Hb D-Punjab	7	4.18 (0.007)
Hb G-Philadelphia	8	4.22 (0.037)
Hb E-Saskatoon	2	4.34; 4.32
Hb S	3587 ⁿ	4.51 (0.030)
Hb Manitoba	1	4.58
Hb Montgomery	7	4.58 (0.020)
Hb A ₂ '	81 ^o	4.59 (0.030)
Hb Q-Thailand	1	4.67
Hb Hasharon	7	4.83 (0.016)
Hb O-Arab	6	4.91 (0.008)
Hb G-Siriraj	1	5.08
Hb C	962 ^p	5.18 (0.013)