

Detection of haemoglobin S.

University of Salford - Detection of Hemoglobin (Hb) Variants By HPLC Screening in Cord Blood Units (CBU) Donated to the National Cord Blood Program (NCBP)

Hb Variant	n	Average	SD	Median	p-value
HbA	181	3.08	0.55	3.00-3.20	<0.001*
HbS	104	3.57	0.62	3.30-3.20	
HbC	77	3.04	0.42	2.90-4.00	
HbA	51	4.12	0.57	3.30-4.30	0.074
HbS	28	3.08	0.64	2.30-4.30	
HbC	23	4.23	0.40	3.30-4.30	
HbA	10	4.06	0.23	4.30-5.20	0.257
HbS	3	4.73	0.25	4.30-5.00	
HbC	7	4.01	0.21	4.30-5.20	
Total	242	3.02	0.62	3.30-5.20	<0.001*
HbS	105	3.08	0.65	3.30-5.20	
HbC	107	4.01	0.51	2.90-5.20	

Description: -

-detection of haemoglobin S.

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Notes: MSc thesis, Biological Sciences.

This edition was published in 1986



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Tags: #Detection #of #haemoglobin #variants #and #inference #of #their #functional #properties #using #complete #oxygen #dissociation #curve #measurements

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The traditional prism coupled Kretschmann configuration SPR sensor does not have better-sensing capability compared to the present hybrid, multiple layer SPR Kretschmann configuration sensor.

Non

Because deoxygenated HbS molecules aggregate and polymerize many times more readily than oxygenated HbS, it is obvious that hypoxia will promote sickling. Data availability No data were generated or analyzed in the presented research.

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The SPR angle shifts were calculated from the numerical data, and Fig. Imaging 21 1 , 2 2020.

Detection of haemoglobin using an adsorption approach at a liquid

Moreover, these optical sensors are not only super-sensitive to medium refractive index change but also fast and accurate due to the enormous speed of light waves.

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