# Copy of a printed diagram referenced as "Fingerprints. Haemoglobin A + A2 (diagram)"

## **Contributors**

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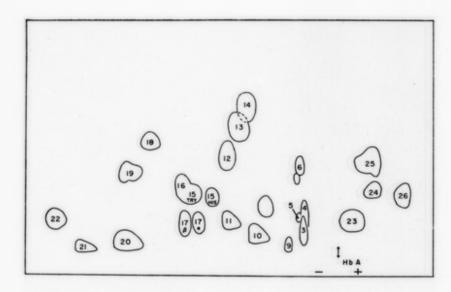
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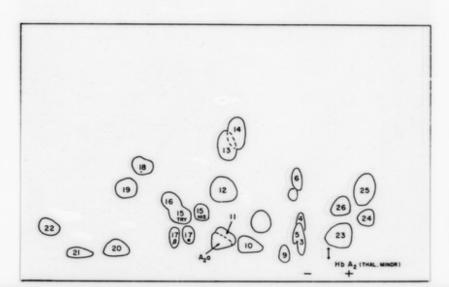


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ing peptide, which has a lower  $R_F$  in the case of haemoglobin  $A_2$ . Finding a double for peptide 12 in the mixture of A and  $A_2$  peptides 10–14 established the reality be chromatographic difference.

lso noticed at this stage that whereas peptide AT-12 gives a slarin, peptide A<sub>2</sub>T-12 gives at first a yellow color with ninhydrin Peptide A<sub>2</sub>a, also gives an initial yellow color (which later be rin, but this is not such a bright yellow as with peptide A<sub>2</sub>T-





Figs. 7. Tracing of the fingerprints of haemoglobins A and A2 showing the numbering system used

Fingerprints stained for tyrosine showed that the peptides from has and  $A_2$  giving a positive reaction were identical except that the tyrosine-positive peptide of haemoglobin  $A_2$ , uncharged at pH 6.4, gave a stronger color relative to the other tyr

lower  $R_F$  than that of haemoglobin A. The explanation for this difference is not yet