Copy of a printed image captioned as "Photographs of fingerprints of tryptic of haemoglobin A and haemoglobin A2 from thalassemia minor blood" Referenced as "Part of myoglobin Fourier showing haem. (Kendrew)"

Contributors

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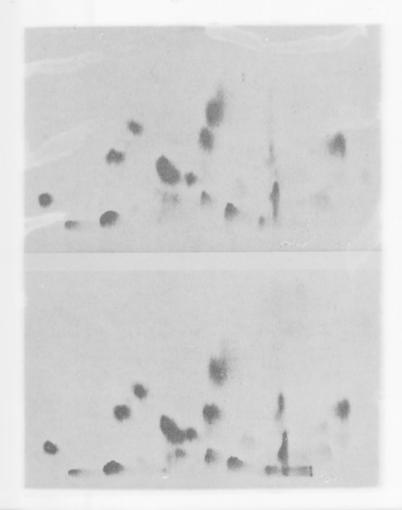
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and given the arbitrary number 6.

The new nomenclature 27 for tryptic peptides of haemoglobin A cannot be used yet for δ -chain peptides of haemoglobin A_2 since the overall order of these peptides have the period of the α -chain tryptic peptides of haemoglobin A_2 would be too confusing.



Photographs of fingerprints of tryptic digests of haemoglobin A and haemoglobin ${\bf A}_2$ from thalassemia minor blood.

Fingerprints developed with ninhydrin showed²⁸ that in haemoglobin A_2 there was no peptide present in the position of peptide AT-26, and that a new peptide had appeared near peptide A_2 T-11 (see Fig. 5). In addition, there was a chromatographic difference in peptide A_2 T-12 which had a lower R_F than peptide AT-12. On preparing fresh fingerprints and staining for arginine, a new arginine-containing peptide in haemoglobin A_2 was found above peptide 23.

To check that the suspected chromatographic difference between peptides AT-12 and A₂T-12 was real, the peptides 10-14 from haemoglobins A and A₂ were prepared by one dimensional electric properties and the peptides are dimensional electric.