

Graph referenced as "H-D [hydrogen-deuterium] exchange of proteins by infra-red spectrum (Blout et al 1961)"

Contributors

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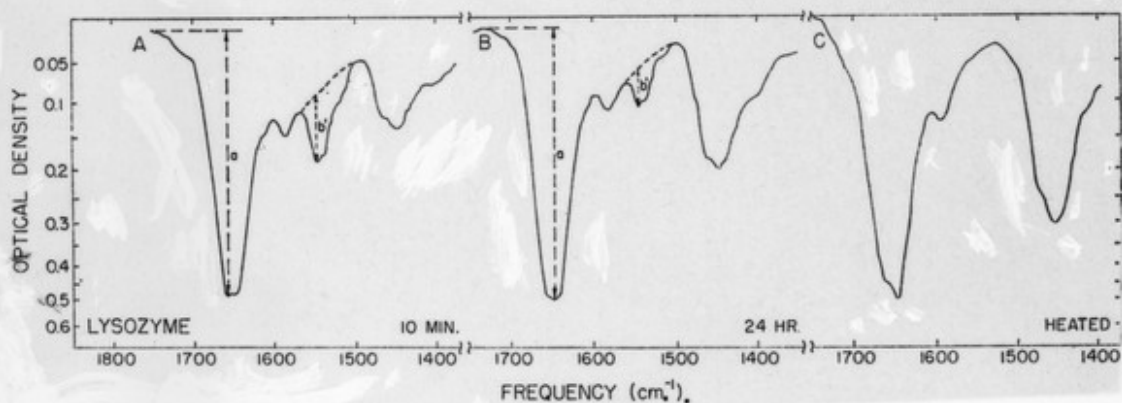
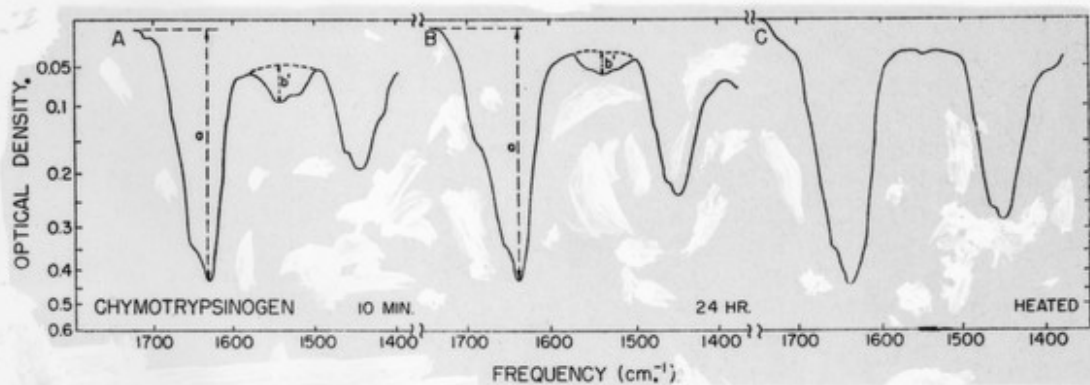
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his may be caused by the presence of overlapping bands in this region. Chymotrypsinogen (Fig. 5) is an example of a protein which shows no ionized carboxyl (1575 cm.⁻¹) in its spectrum. On the other hand, lysozyme (Fig. 6) run at $pD \sim 5$ does show ionized carboxyl which makes the estimate

Thus the initial optical density of the amide I bands of proteins can be about the same as that for polypeptides at the same concentration and we are in the use of PGA calibration curve (Fig. 1) for protein solutions.

As can be seen from Fig. 4 and the calculated