

Graph referenced as "Low angle x-rays scattering. Bovine serum albumin"

Contributors

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Unfortunately, we know of no material which transmits a wavelength of 0.7 \AA ; i.e., this wavelength is experimentally inaccessible. It is necessary to go to the range of 0.7 to 2 \AA , i.e., the x-ray range, to find an experimentally accessible source of radiation. Even for the smallest proteins this corresponds to a ratio, $R_0/\lambda \sim 10$.

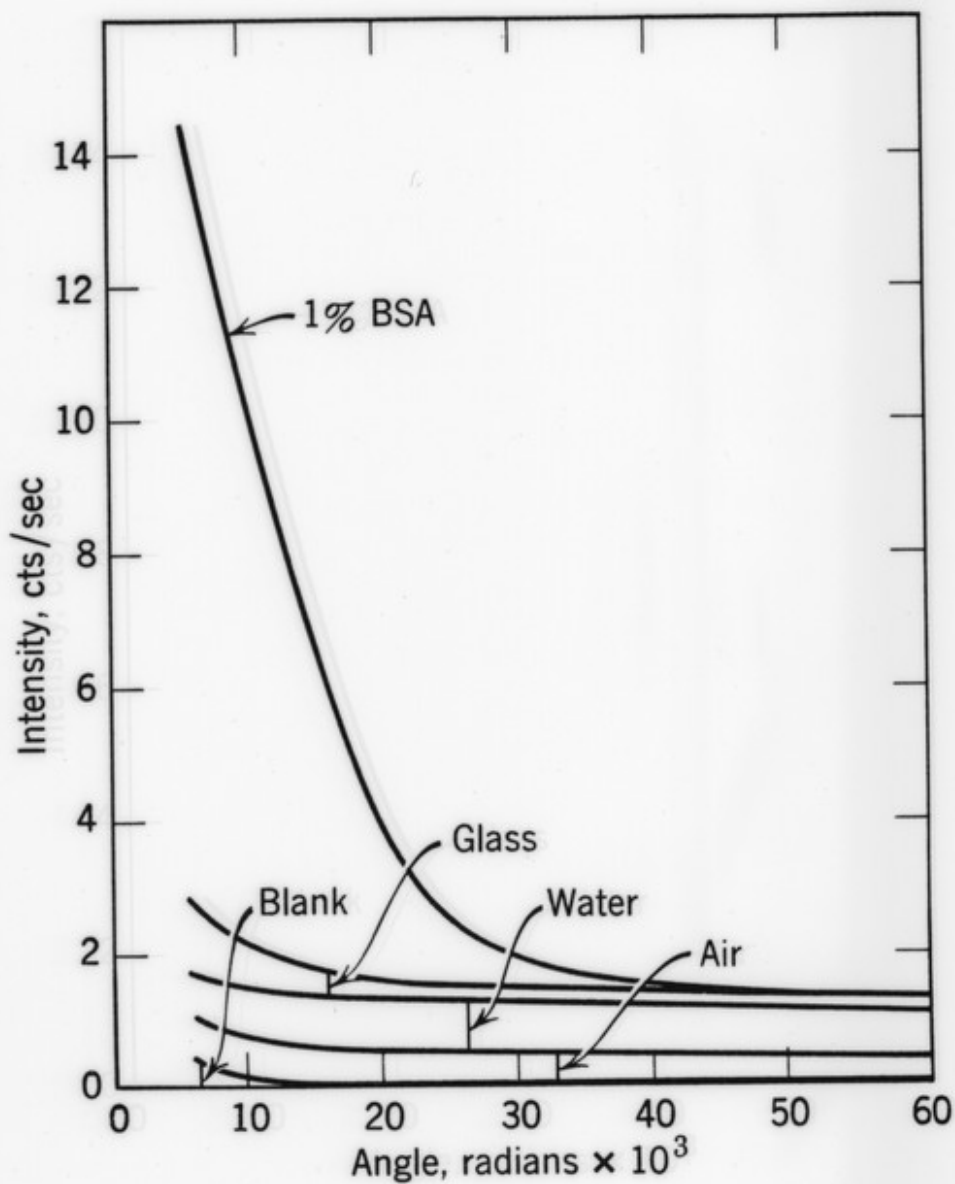


Fig. 18-5. Low angle x-ray scattering by bovine serum albumin (BSA). The figure compares the intensity of scattering by the protein solution with the background intensity due to air, water, and the containing vessel. (Anderegg et al.⁴⁵)