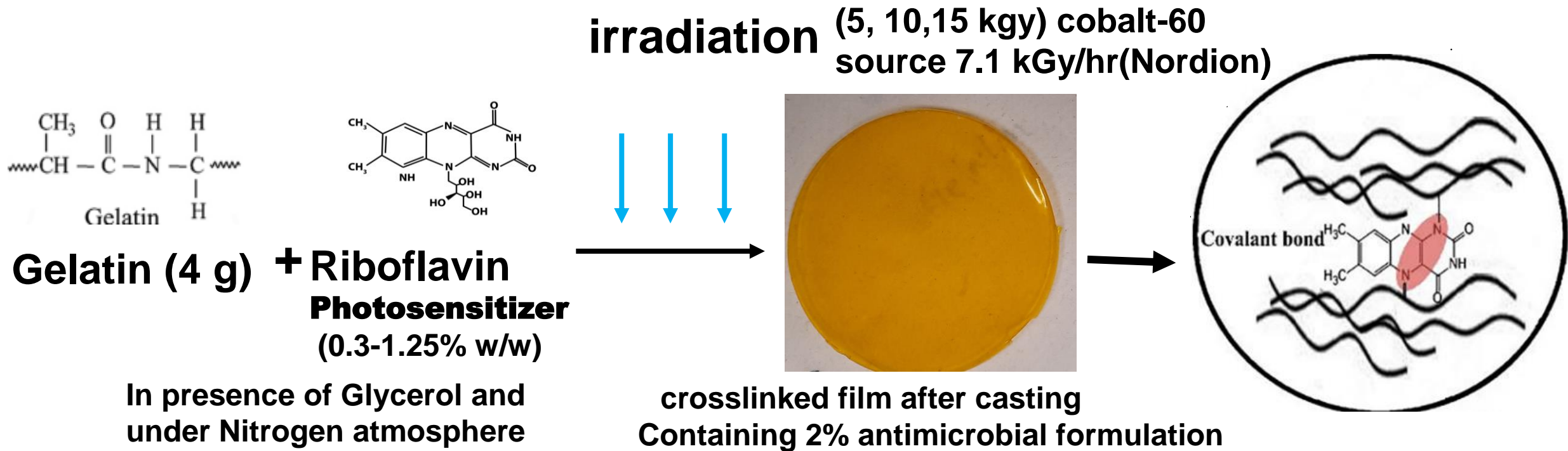
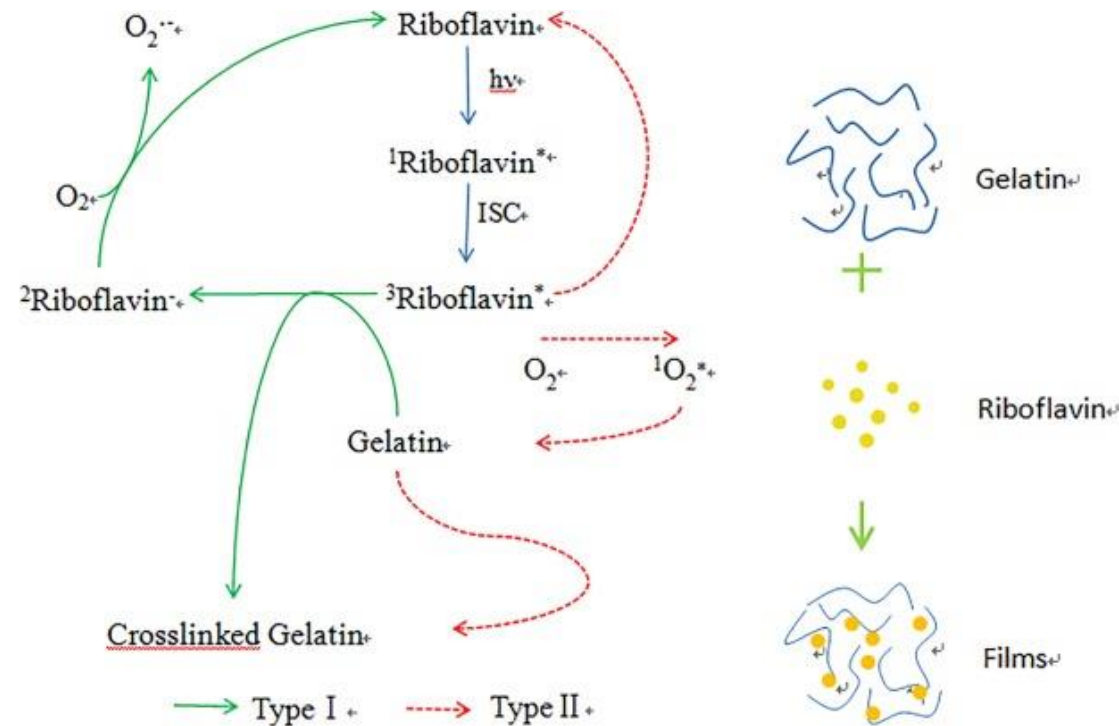


Methodology of RF-mediated crosslinked Gelatin film



Combined treatment of radiation with Riboflavin can generate radicals, which results in cross-linking and intermolecular connection in protein

Riboflavin (RF)-mediated cross-linking of gelatin-based film by Gamma irradiation



- Singlet state RF $\xrightarrow{\text{Radiation}}$ Triplet state RF (oxidant bi radical)
- High reactivity (electron transfer) with tyrosine, histidine, tryptophan, cysteine side chains of proteins