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## SDS-PAGE Protein Patterns of Red Pepper Suspension Cells and Seedlings as Affected by $\gamma$ -Radiation

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SDS polyacrylamide gel electrophoresis(SDS-PAGE) is one of useful tools for identifying newly synthesized polypeptides induced by various environmental stresses. In the present study, proteins extracted from red pepper seedlings and cultured cells which treated with  $\gamma$ -radiation were electrophoresised and identified new polypeptides. Some three to four newly synthesized polypeptides which resulted from enhanced  $\gamma$ -radiation treatment to seedlings or suspension cells were identified using SDS-PAGE, demonstrating that cell of red pepper respond to radiation stress by producing new proteins or mRNA. Some newly synthesized polypeptides were maintained in the cells during continuous growth after radiation treatment at normal condition.