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## **Radiation Sensitivities of *Listeria monocytogenes* Iso Chicken Meat and Their Growth at Refrigeration Te**

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*Listeria monocytogenes* were isolated in 5 lots, more than one cel  
10 lots of chicken meat, which was obtained from several different  
taxonomic study, the psychrotrophic type of 3 isolates grew well a  
agar slant, whereas 2 isolates grew poorly. Cells of all isolates were  
irradiation in phosphate buffer, and the  $D_{10}$  values obtained were C  
aerobic irradiation conditions similar to the values of salmonellae. I

sample, the  $D_{10}$  value obtained was 0.42 kGy the same value as in anaerobic irradiation conditions, and the necessary dose for inactivation of *Listeria monocytogenes* was estimated to be 2 kGy in raw chicken meat (forming unit) per gram. In the storage study of chicken meat which about  $3 \times 10^3$  CFU per gram of *L. monocytogenes*, the psychrotroph grew quickly at 7 to 10°C storage. However, a dose of 1 kGy was suppress the growth of *L. monocytogenes* at refrigeration temperature.

**Keywords:** [Listeria monocytogenes](#), [γ-irradiation](#), [refrigeration temperature](#), [meat](#), [food-borne disease](#)

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