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## DOSE MAPPING OF 25 KGy GAMMA IRRADIATION DURING STERILIZATION OF GLYCEROL PRESERVED AMNION

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### SUMMARY

The sterilization conformance of glycerol preserved amnion by gamma irradiation is due to the series of procedures. Dose mapping is part of it and adheres to ISO 13485 and ISO 11137. This paper describes the dose mapping work towards sterilization of glycerol preserved amnion by gamma irradiation at 25 kGy in MINTec-Sinagama plant, Bangi. Dose distribution of gamma radiation is observed inside the carrier (tote) which carry the box of product into the irradiation room (bunker). Product in this work is a box filled with artificial product which is representing the same density and position of real glycerol preserved amnion during routine sterilization. This work is important to confirm that every point or every surface of product received 25 kGy of sterilization dose. The overview of dose mapping works in year 2014, 2016 and 2017 is also established.