Abstracts

Comparison of Microwave Irradiation at 986 versus 2450 MHz for In Vivo Inactivation of Brain Enzymes in Rats

J.L. Meyerhoff, O.P. Gandhi, J.H. Jacobi and R.H. Lenox. "Comparison of Microwave Irradiation at 986 versus 2450 MHz for In Vivo Inactivation of Brain Enzymes in Rats." 1979 Transactions on Microwave Theory and Techniques 27.3 (Mar. 1979 [T-MTT]): 267-270.

The pattern of enzyme inactivation in the brains of rats sacrificed by exposure to high-intensity microwave irradiation at 2450 MHz in a closed-waveguide structure is markedly altered by rotation of the rat. At 986 MHz, the pattern is relatively insensitive to rotation. These data suggest that use of lower frequencies may reduce regional variability of enzyme inactivation and lessen the requirement for immobilization during sacrifice.

❑ Return to main document.