

## **Determination of trace elements in pancreases of Zn-deficient mice**

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### **Abstract**

Eight-week-old male mice of ICR strain were divided into two groups; one was fed with zinc deficient diet ( $<1 \mu\text{g/g Zn}$ ), the other with control diet ( $30 \mu\text{g/g Zn}$ ). After 1 week of treatment periods, their pancreases were removed. Sodium dodecyl sulphate-polyacrylamide gel electrophoresis (SDS-PAGE) and two-dimensional electrophoresis (2-DE) were performed for cytosolic fraction. After electrophoresis, the gel was cut into protein spots and subjected to PIXE analysis.