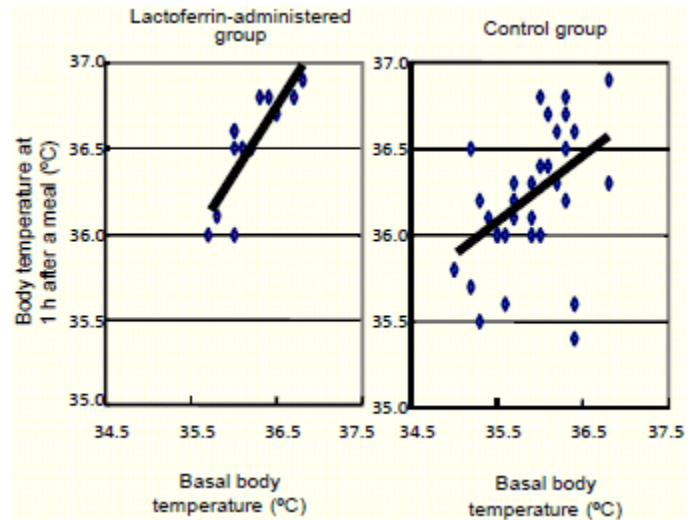


## Anti-metabolic Syndrome Effect of Lactoferrin

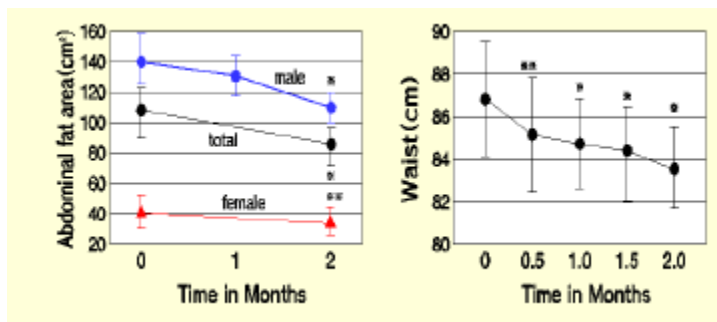
### Increases in Basal Metabolic Rate and Bursts Fat Burning <sup>1)</sup>

Obese people tend to have a low body temperature. Dr. Hiroshi Kimoto at Nagatsukai-Saitou Hospital has discovered the anti-metabolic syndrome effect of Lactoferrin. The basal body temperature in control subjects is around 35.5 C; these subjects are considered to have mild hypothermia. After a meal, most healthy individuals showed transient temperature elevation. The control subjects also showed transient temperature elevation; however, the elevation was relatively mild. Individuals that were administered 300 mg/day of enteric Lactoferrin showed elevation of the basal body temperature as well as normal temperature after a meal. Enteric Lactoferrin increases the basal metabolic rate and bursts the elevation of body temperature.



### Reduction in intra-abdominal visceral fat of up to 40% within 60 days <sup>2)</sup>

The accumulation of intra-abdominal visceral fat is inevitable in patients with metabolic syndrome. Lion Corporation has reported that enteric Lactoferrin drastically reduced accumulated intra-abdominal visceral fat in individuals. For 2 months, 12 individuals (age range, 35.65 years) have consumed enteric Lactoferrin (dosage, 300 mg/day). On an average, 20% of the area of intra-abdominal visceral fat was reduced, and the size of the waist also decreased by 4% on an average. In 1 case, 40% of the area of intra-abdominal visceral fat was reduced.



Metabolic syndrome is a group of risk factors associated with obesity; these factors increase the risk of health problems such as heart disease and diabetes. The term "metabolic" refers to the biochemical processes involved in the normal functioning of the body. Risk factors are behaviors or conditions that increase the possibility of acquiring a disease. About 47 million adults in the United States (i.e., almost 25% of the population) have metabolic syndrome, and the number continues to increase. The figure shows the average abdominal fat area (left) and

average waist size (right) of a total of 12 volunteers, including 8 men and 4 women. The abdominal fat area is calculated from a CT scan (images at the bottom).

