

Mouse

TSOD[®] (Metabolic syndrome model animal)

TSNO[®] (Control of TSOD[®])



Right: TSNO[®], male, 10-week-old
Left: TSOD[®], male, 10-week-old

◆ Origin

The origin of TSOD[®] mouse is ddY mouse which comes from Doken Co., Ltd. In 1984, six animals, which were observed as obesity and diabetes, from ddY mice were accidentally discovered. With these male mice and ddY female mice, they were sib-mated repeatedly. The weight and sugar in urine were assumed as indexes, and TSOD[®] mouse was established in 1992. In the same year, TSNO[®] and DIAR were also established.

◆ Coat Color

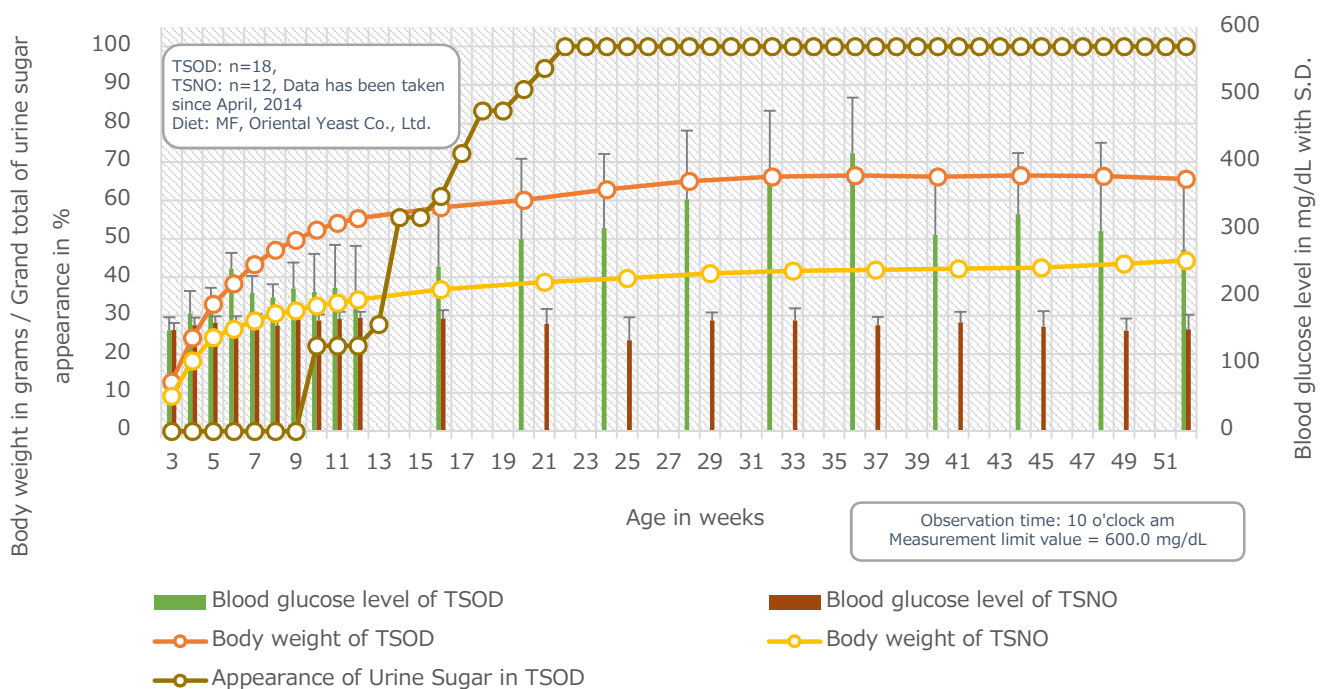
White

◆ Characteristics

TSOD[®] mouse spontaneously indicates obesity and diabetes with high probability. On the other hand, TSNO[®] does not indicate obesity or diabetes and it is used as a control of TSOD[®].

TSOD[®] mouse is a model animal for obesity-related diabetes and shows conditions which are similar to obesity-related diabetes of human-beings.

Growth chart / Blood glucose level / Appearance of Urine Sugar



● References

- Suzuki, W., et al. *Experimental Animal*, Vol48(3),181-189,1999.
Iizuka, S., et al. *Experimental Animal*, Vol54(1),71-83,2005.
Hirayama, I., et al. *Diabetes*, Vol48 May, 1183-1191,1999.