

# Resource Summary Report

Generated by PRECISE-TBI on Jul 31, 2026

## Multi-Xeno

RRID:NSRRC\_0025

Type: Organism

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### Proper Citation

RRID:NSRRC\_0025

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### Organism Information

**URL:** <https://nsrrc.missouri.edu/StrainAvail/>

**Proper Citation:** RRID:NSRRC\_0025

**Description:** Application: Xenotransplantation

**Species:** Sus scrofa

**Notes:** Application: Xenotransplantation

**Phenotype:** Lack of expression of GGTA1 and expression of CD55, CD39, CD59 and Thrombomodulin

**Affected Gene:** GGTA1, CD39, CD55, CD59

**Genomic Alteration:** GGTA1 knockout, with three randomly integrated transgenes: human decay-accelerating factor (CD55), CD39, CD59 and thrombomodulin

**Catalog Number:** 25

**Background:** outbred

**Database:** NSRRC, National Swine Resource and Research Center (NSRRC)

**Database Abbreviation:** NSRRC

**Organism Name:** Multi-Xeno

**Record Creation Time:** 20230226T235431+0000

**Record Last Update:** 20260725T230456+0000

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### Ratings and Alerts

No rating or validation information has been found for Multi-Xeno.

No alerts have been found for Multi-Xeno.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** NSRRC, National Swine Resource and Research Center (NSRRC)

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## Usage and Citation Metrics

We found 1 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [PRECISE-TBI](#) .

Whitworth KM, et al. (2015) Transcriptome Analysis of Pig In Vivo, In Vitro-Fertilized, and Nuclear Transfer Blastocyst-Stage Embryos Treated with Histone Deacetylase Inhibitors Postfusion and Activation Reveals Changes in the Lysosomal Pathway. Cellular reprogramming, 17(4), 243.