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Serum, Blood and Body Weight Measurements in Pigs [↗](#)

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1 *Works for me* [dx.doi.org/10.17504/protocols.io.32agqae](https://doi.org/10.17504/protocols.io.32agqae)

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ABSTRACT

Summary:

These assays are performed on all the pig models studied by the DiaComp to assess their serum chemistry and blood cell counts.

Diabetic Complications:



Cardiovascular



Retinopathy



Neuropathy



Nephropathy



Pediatric Endocrinology



Uropathy



Wound-Healing

EXTERNAL LINK

<https://www.diacomp.org/shared/document.aspx?id=51&docType=Protocol>

1 Total cholesterol

Cholesterol is measured by a commercial, automated method (ANTECH® Inc. Cary, NC).

2 Serum assays

All serum assays are measured by a commercial, automated method (ANTECH® Inc. Cary, NC).

3 Red blood cell count, White blood cell count, Hemoglobin, Hematocrit, Platelet count

White blood cell count, red blood cell count, hemoglobin, hematocrit, and platelet count are performed on EDTA anti-coagulated blood with a cell counter (Heska) calibrated for pig cells.

4 Body weight

Pigs are weighed on calibrated scales.

5 Percent body fat

The percent body fat is determined from measuring the backfat by ultrasound (Fukuda Denshi, model UF750XT) or the Swine Backfat Probe (Nasco, WI) according to the manufacturer's instructions.



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