



# For Love of the Horse

## Blood Panel Requirements

Joseph Thomas, Ph.D.

### Blood Panel #1

- CBC w/differential count
- Direct Bilirubin
- TCO<sub>2</sub> or Bicarbonate
- Serum Glucose & Serum Insulin
- Complete Liver Profile

This blood chemistry report will allow Dr. Thomas to perform an analysis to determine the presence of a wide range of health issues. If your horse has EMS/Cushing's/IR, he will be able to determine how advanced your horse is on the metabolic progression curve, predict the risk of a laminitic episode and assess the degree of the other accompanying health problems.

Other health problems that will be assessed are: immune dysfunction including the magnitude and type of infection, if present; anemia; protein metabolism problems that can express in an intestinal malabsorption syndrome; liver health and illness including disease and failure; vascular concerns; and acid-base disorders and much more.

### Blood Panel #2

- CBC w/differential count
- Complete Liver Profile
- Direct Bilirubin
- Serum Glucose & Serum Insulin
- Lipid Profile Include Triglycerides
- TCO<sub>2</sub> or Bicarbonate

The addition of the lipid panel illustrates the horse's functional ability to "process" fats, e.g. total cholesterol, HDL (good cholesterol), LDL (low density lipid or bad cholesterol), VLDL (very low density lipid). This panel will also give Dr. Thomas more detailed information concerning the type and severity of a vascular component accompanying many horses with EMS/Cushing's/IR.

**Note: We can only accept the full legible Lab Reports – no single typed values. Send results by fax, email, or postal mail.**

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