

Auburn Endocrine Diagnostic Service

Fructosamine Measurement

Fructosamine. What is it? Measures amount of sugar bound to proteins in blood. Test to evaluate overall glycemic control in diabetic dogs and cats. Level related to average glucose in blood during previous 2-3 weeks. Not affected by acute stress or excitement.

Precautions: levels can be low in animals with hypoproteinemia, sample needs to be kept cold during shipment.

Sample collection: Collect 1 ml serum, freeze and ship overnight with cold packs.

Use: Determine level every 3-6 months in diabetics.

Dog:	Normal range:	225-365 $\mu\text{mol/L}$
	Good control of diabetes:	350-450
	Poor control:	>500
	Possible hypoglycemia	<300

Cat:	Normal range:	190-365 $\mu\text{mol/L}$
	Good control of diabetes:	400-475
	Poor control:	>500
	Possible hypoglycemia	<300
