



# Albumin FS\*

In-vitro-Diagnostic for veterinary use only

Diagnostic reagent for quantitative in vitro determination of albumin in serum or plasma on DiaSys respons<sup>®</sup> 910 VET

## Order Information

Cat. No. 1 0220 99 11 923

4 containers for 200 tests each

## Method

Photometric test using bromocresol green

## Principle

In the presence of bromocresol green at a slightly acid pH, serum albumin produces a color change of the indicator from yellow-green to green-blue.

## Reagents

### Components and Concentrations

Citrate buffer pH 4.2 30 mmol/L  
Bromocresol green 0.26 mmol/L

### Storage Instructions and Reagent Stability

The reagent is stable up to the end of the indicated month of expiry, if stored at 35.6–77°F, protected from light and contamination is avoided. DiaSys respons containers provide protection from light. Do not freeze the reagent!

### Warnings and Precautions

1. In very rare cases, samples of animals with gammopathy might give falsified results.
2. Please refer to the safety data sheets and take the necessary precautions for the use of laboratory reagents. For diagnostic purposes, the results should always be assessed with the animal's medical history, clinical examinations and other findings.
3. For professional use only!

### Waste Management

Please refer to local legal requirements.

### Reagent Preparation

The reagent is ready to use. The bottles are placed directly into the reagent rotor.

## Specimen

Serum, heparin plasma or EDTA plasma

Stability :

2 days at 39.2°F to 46.4°F

Discard contaminated specimens.

## Calibrators and Controls

For calibration, DiaSys TruCal U calibrator is recommended. The assigned values of the calibrator have been made traceable to the European Reference Material<sup>®</sup> ERM-DA470. For internal quality control DiaSys TruLab N and P controls should be assayed. Each laboratory should establish corrective action in case of deviations in control recovery.

	Cat. No.	Kit size
TruCal U	5 9100 99 11 063	20 x 3 mL
TruLab N	5 9000 99 11 062	20 x 5 mL
TruLab P	5 9050 99 11 062	20 x 5 mL

## Performance Characteristics

The performance characteristics were evaluated with human samples and might differ from results obtained with various animal specimen.

Measuring range up to 6 g/dL albumin (in case of higher concentrations re-measure samples after manual dilution with NaCl solution (9 g/L) or use rerun function).	
Limit of detection**	0.1 g/dL albumin
On-board stability	6 weeks
Calibration stability	5 weeks

Interfering substance	Interferences < 10%	Albumin [g/dL]
Ascorbate	up to 30 mg/dL	3.31
Hemoglobin	up to 500 mg/dL	3.57
	up to 550 mg/dL	5.47
Bilirubin, conjugated	up to 70 mg/dL	3.33
	up to 70 mg/dL	5.15
Bilirubin, unconjugated	up to 70 mg/dL	3.35
	up to 70 mg/dL	5.04
Lipemia (triglycerides)	up to 800 mg/dL	3.25
	up to 950 mg/dL	5.02





For further information on interfering substances refer to Young DS. Effects of Drugs on Clinical Laboratory Tests. 5th. ed. Volume 1 and 2. Washington, DC: The American Association for Clinical Chemistry Press, 2000.

\*\* according to NCCLS document EP17-A, vol. 24, no. 34

## Conversion Factor

Albumin [g/dL] x 144.9 = Albumin [µmol/L]

## Reference Range

				Unit
DOG	CAT	HORSE	CATTLE	
2.9 – 3.8	3.1 – 4.3	3.1 – 4.0	3.4 – 4.2	g/dL

Source:

Reference ranges have been validated by DiaSys USA according to National Reference Laboratory standards.

Each laboratory should check if the reference ranges are transferable to its own animal population and determine own reference ranges if necessary.

## Manufacturer

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