



Development and Potential Application of Ras Domain-Containing Protein from *Haemonchus* contortus for Diagnosis of Goat Infection

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Table 1. Reactions between rHcRas and serum from goat infected with *H. contortus*.

DPI	1	2	3	4	5
0	_	_	_	_	_
7	_	_	_	_	_
14	_	_	+	+	+
21	+	+	+	+	+
35	+	+	+	+	+
49	+	+	+	+	+
63	+	+	+	+	+
85	+	+	+	+	+
103	+	+	+	+	+

Reactions between rHcRas and serum from goat (n = 5) infected with *H. contortus* were tested by WB, "+" represent positive reaction and "-" as negative.

Table 2. Repeatability of the indirect ELISA.

Intra-assay	P1	P2	Р3	N1	N2	N3
R1	0.439	0.559	0.658	0.329	0.305	0.305
R2	0.466	0.469	0.62	0.277	0.27	0.283
R3	0.425	0.47	0.592	0.275	0.244	0.306
Mean	0.443	0.499	0.623	0.294	0.273	0.298
SD	0.021	0.052	0.033	0.031	0.031	0.013
CV (%)	4.701	10.349	5.314	11.215	10.272	4.815
Inter-assay	P4	P5	P6	N4	N5	N6
R-1	0.328	0.468	0.578	0.291	0.315	0.297
R-2	0.371	0.506	0.516	0.288	0.261	0.311
R-3	0.299	0.445	0.502	0.231	0.231	0.261
Mean	0.333	0.473	0.532	0.270	0.269	0.290
SD	0.036	0.031	0.040	0.034	0.043	0.026
CV (%)	10.890	6.513	7.603	12.568	14.695	8.250

Positive (P1, P2 and P3) and negative samples (N1, N2 and N3) were tested by indirect ELISA in the same plate by three repeats (R1, R2 and R3). Another positive (P4, P5 and P6) and negative samples (N4, N5 and N6) were tested in three different plates (R-1, R-2 and R-3). The coefficient of variation (CV) was showed as bold.