

Raw Meat FlowThrough™

VALIDATION REPORT



Applicable to Product Numbers:

R6056 (Cow)

R6051 (Horse)

R6053 (Pig)

R6058 (Poultry)

R6060 (Sheep)

1. SPECIFICITY:

The antibodies used in the relevant tests react to:

Raw meat / Serum	FlowThrough™				
	Cow	Horse	Pig	Poultry	Sheep
Cow	+	-	-	-	-
Buffalo	+	-	-	-	-
Bison	+	-	-	-	-
Venison	(+)	-	-	-	+
Horse	-	+	-	-	-
Horse (serum)	-	+	-	-	-
Donkey (serum)	-	+	-	-	-
Mouse (serum)	-	+	-	-	-
Rat (serum)	-	+	-	-	-
Pig	-	-	+	-	-
Chicken	-	-	-	+	-
Chicken egg white	-	-	-	+	-
Chicken egg yolk	-	-	-	+	-
Duck	-	-	-	+	-
Goose	-	-	-	+	-
Ostrich	-	-	-	+	-
Partridge	-	-	-	+	-
Pheasant	-	-	-	+	-
Quail	-	-	-	+	-
Turkey	-	-	-	+	-
Sheep	-	-	-	-	+
Goat	-	-	-	-	+
Kangaroo	-	-	-	-	-
Rabbit (serum)	-	-	-	-	-

positive '+' weak positive '(+)' '-' negative

BIO-CHECK (UK) Limited

Spectrum House, Llys Edmund Prys,
St. Asaph Business Park, St. Asaph, Denbighshire.
LL17 0JA United Kingdom

Tel: +44 (0) 1745 335 165
e: info@biocheck.uk.com
w: biocheck.uk.com

Antibody reactivity reflects the closeness in relationships between species (Note: when tested using serum, a potency significantly higher than found in meat was used). Anti-poultry antibody detects a broad range of avian species. In contrast, whilst sheep, goat, cow, buffalo and bison are all ruminants, the sheep and cow antibodies have been purified to remove their reactivity to cow/buffalo/bison and sheep/goat respectively but not to the family e.g. deer.

2. CROSS REACTIVITY:

The following food-related materials DO NOT react in the tests:

Commodities, Ingredients & Retail samples				
Alfalfa	Casein, bovine	Gluten powder	Oat flour	Sage
Almond	Celery salt	Lentil, red	Parsley	Salt
Apricot kernels	Coconut milk	Lentil, green	Pea protein, dry	Skim milk, dry
Barley flour	Cod	Linseed	Peanut butter	Soya flour
Barley malt	Cornflour	Lupin flour	Potato flour	Spelt flour
Beef protein, dry	Fennel powder	Macadamia nut	Prawn	Sugar
Buckwheat	Gelatin, fish skin	Malt extract	Rice flour	Walnut
Butter bean	Gelatin, pig skin	Mustard	Salmon	Wheat flour

3. SENSITIVITY:

Raw Meats	Value* (%)	FlowThrough™					ELISA
		Cow	Horse	Pig	Poultry	Sheep	
Horse in beef	1.00	-	+	-	-	-	+
	0.25	-	+	-	-	-	+
	0.10	-	-	-	-	-	-
Pork in beef	1.00	-	-	+	-	-	+
	0.25	-	-	+	-	-	+
	0.10	-	-	-	-	-	-
Poultry in pork	1.00	-	-	-	+	-	+
Sheep in chicken	1.00	-	-	-	-	+	+
Cow in chicken	1.00	+	-	-	-	-	+

*Dilutions of Raw meat extracts; only lowest levels tested are reported.

4. REFERENCE MATERIALS & INTERNAL CONTROLS (mixed species):

	Content	FlowThrough™				
		Cow	Horse	Pig	Poultry	Sheep
LGC7249	Beef (5%) in sheep	+	-	-	-	-
LGC7248	Beef (1%) in sheep	+	-	-	-	-
LGC7241	Horse (10%) in beef	-	+	-	-	-
LGC7240	Horse (1%) in beef	-	+	-	-	-
LGC7243	Pork (10%) in beef	-	-	+	-	-
LGC7242	Pork (1%) in beef	-	-	+	-	-
In-house	Chicken (5%) in sheep	-	-	-	+	-
In-house	Chicken (1%) in sheep	-	-	-	+	-
In-house	Turkey (5%) in sheep	-	-	-	+	-
In-house	Turkey (1%) in sheep	-	-	-	+	-

Reference Materials supplied by LGC Standards; assessed value is a mass fraction (% w/w).

4. ROBUSTNESS:

Step *	Procedural step description *	Acceptable range
1	0.5g sample into scoop; add to Extraction solution	0.50g (+/- 0.05g)
2	Shake tube vigorously for 1 minute	>1mins.
4	Fill the self-measuring pipette	Pipette tube full
5	Add to Diluent Liquid; mix gently	>10 sec.
8	Add to test unit; allow to absorb into the unit	5 – 10mins.
11	Add Colour Reagent to unit	Within 1 hour
11	Add Colour Reagent to unit; allow to absorb	3 - 6mins.
12	Read the RMFT test result	Within 1 hour

* Refers to Raw Meat FlowThrough™ Instructions for Use (CP002 IFU RMFT A2069 rev01)

6. STABILITY:

Storage conditions	Timed	FlowThrough™				
		Cow	Horse	Pig	Poultry	Sheep
Refrigerated 2-8°C	From date of manufacture	12 months	12 months	12 months	12 months	12 months

7. REPEATABILITY /REPRODUCIBILITY:

Conditions	n =	N =	Level	FlowThrough™				
				Cow	Horse	Pig	Poultry	Sheep
Same operator, same day	2	>20	1%	100%	100%	100%	100%	100%
Different operator, different days	2	>20	1%	100%	100%	100%	100%	100%

n = number of replicates; N = number of repetitions

For info within the USA and Canada:

EMPORT LLC
412.447.1888
info@emporthllc.com
emporthllc.com

LA004 Raw Meat FT VALID V02.Docx

BIO-CHECK (UK) Limited

Spectrum House, Llys Edmund Prys,
 St. Asaph Business Park, St. Asaph, Denbighshire.
 LL17 0JA United Kingdom

Tel: +44 (0) 1745 335 165
 e: info@biocheck.uk.com
 w: biocheck.uk.com