

Technical Data

Kit Size	96 wells
Plate Format	'Break apart' wells
Sample Dilution	1:100
Assay Timing	30/30/10 min at room temperature
Standards	Cut off calibrator
Normal Values	< cut off
Reagents	Colour coded and ready to use
Typical CVs	4 - 12 %
Quality Control	Positive and negative controls are included in the kit.
Microplate Photometer	Optical density read at 450 nm
Product code	GD42

Casein IgA

The Genesis Casein IgA and IgG kits are rapid ELISA methods for the detection of IgA and IgG antibodies to Casein, one of the principle components of cow's milk.

Cow's milk contains several immunogenic proteins including Beta-lactoglobulin, Alpha-lactalbumin and casein. Individuals may develop antibodies to the individual proteins or any combination.

In infancy, cow's milk protein intolerance (CMPI) is characterised by diarrhoea, vomiting, colic and dermatitis in particular. In older children and adults, symptoms such as hives, arthritis, asthma and eczema are also associated with immune reactions to milk proteins. Children with insulin dependent diabetes mellitus show an enhanced immune response to both Beta-lactoglobulin and ovalbumin, a phenomenon that may be related to the development of the disease. Removal of cow's milk from the diet can produce relief from symptoms.

All of the food antibody kits use a standard protocol. Purified antigen is coated onto a microplate and further stabilised to give a kit shelf life of up to 18 months.

G · E · N · E · S · I · S
Diagnos^tics

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