



PLUS LACTOFERRIN FAST ELISA (5091LFERF)

General

The Plus Lactoferrin ELISA is used for the quantification of this bioactive bovine milk protein (80 kDa) in infant milk powder. Lactoferrin plays a key role in the defense mechanisms of lactating animals' mammary glands.

In addition, lactoferrin is reported to be a natural antioxidant with numerous other functions, including anti-viral, anti-fungal, anti-inflammatory and anti-cancer activities.

The **Plus Lactoferrin Fast ELISA** is a competitive enzyme immunoassay based on antibodies directed against lactoferrin. The test is validated with infant milk powders from different sources.

Kit characteristics

Microtiter plate:

96 Wells
12 x 8 Breakapart

Conjugate:

Lactoferrin-HRP stabilized

Standard range:

0.078, 0.156, 0.313, 0.625, 1.25 and 2.5 µg/ml

Assay characteristics

Matrix	LOD (µg/g)	CCβ (µg/g)
Infant milk powder	103	200

The Limit of detection (LOD) and detection capability (CCβ) are determined under optimal conditions.

Sample preparation

For infant milk powder a fast and simple extraction method is included in the kit manual.

Procedure

The conjugate and standards/samples are pipetted into the precoated wells and incubated for 30 minutes at 20°C – 25°C. After a washing procedure ready-to-use substrate is added and incubated for 15 minutes at 20°C – 25°C. The reaction is stopped and the absorbance is read in a spectrophotometer at 450 nm.

EuroProxima's user-friendly software converts the measured optical density into the concentration of the substance in the original sample.

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