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## Product Information

### ANTI-HORSE IgG (WHOLE MOLECULE) FITC CONJUGATE

Antibody Developed in Rabbit  
Affinity Isolated Antigen Specific Antibody

Product No. **F 7759**

#### Product Description

Anti-Horse IgG is developed in rabbit using purified horse IgG as the immunogen. Affinity isolation removes essentially all rabbit serum proteins, including immunoglobulins, which do not specifically bind to horse IgG. Rabbit anti-horse IgG is then conjugated to Fluorescein Isothiocyanate (FITC), Isomer I (Product No. F 7250). Following conjugation, unbound FITC is removed by extensive dialysis.

Specificity of the anti-horse IgG is determined by immunoelectrophoresis, prior to conjugation, versus normal horse serum and horse IgG.

Identity and purity of the antibody is established by immunoelectrophoresis (IEP), prior to conjugation. Electrophoresis of the antibody preparation followed by diffusion versus anti-rabbit IgG and anti-rabbit whole serum results in single arcs of precipitation.

#### Reagents

The conjugate is provided as a solution in 0.01 M phosphate buffered saline, pH 7.4, containing 1% BSA with 15 mM sodium azide as a preservative.

#### Precautions and Disclaimer

Due to the sodium azide content a material safety data sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Consult the MSDS for information regarding hazards and safe handling practices.

#### Product Profile

The product is provided with a specific antibody content of 1.0 mg/ml (prior to the addition of BSA).

The minimum working dilution of 1:32 was determined by direct immunofluorescent labeling of horse peripheral blood lymphocytes.

In order to obtain best results, it is recommended that each individual user determine the optimum working dilution for their system by titration assay.

F/P Molar Ratio: 3.0 to 5.0

The F/P molar ratio is determined spectrophotometrically as follows:

$$F = A_{496}/0.15 \quad P = \frac{A_{280} - (A_{496} \times 0.32)}{1.4}$$

$$\text{F/P Molar Ratio} = F/P \times 0.41$$

Where:

0.15 = The extinction coefficient of bound FITC at a concentration of 1 µg per ml at pH 7.2

0.32 = The fluorochrome absorbance correction factor (non-protein absorbance).

0.41 = The factor for conversion of fluorochrome to protein ratios from weight to molar ratios.

#### Storage

For continuous use, store at 2-8 °C for up to one month. For extended storage, the solution may be frozen in working aliquots. Repeated freezing and thawing is not recommended. Storage in "frost-free" freezers is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use.

PCS 8/00

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