



Teco Diagnostics

Intended Use

For the qualitative and semi-quantitative determination of human heterophile antibodies associated with Infectious Mononucleosis (IM).

Principle

The Infectious Mononucleosis (IM) Latex test provides a suspension of polystyrene latex particles that have been coated with partially purified glycoprotein from bovine red blood cells. The heterophile antibody associated with IM bind to the corresponding antigenic determinants on the glycoprotein coated latex. This binding is evident by rapid agglutination of the latex. No differential absorption is required.

Test:

Infectious Mononucleosis Latex Test (IML-50)

Number of Tests:

50 tests

Format:

Liquid

Method:

Agglutination Reaction

Testing Procedure:

Manual

Storage Temperature:

2-8°C

Results:

Qualitative Test:

Positive: Agglutination indicates the presence of the heterophile antibody associated with IM.

Negative: Lack of agglutination indicates the absence of the heterophile antibody associated with IM.

Semi-quantitative test: The titer of IM heterophile antibody is the reciprocal of the highest dilution that exhibits a positive reaction. An increase in IM heterophile agglutination titer may be clinically significant in early stages of the disease and may assist in the diagnosis of IM.

Limitations of Procedure:

A diagnosis of IM should not be made on the basis of a positive test result without support of patient history and hematological or other clinical evidence. Similarly, a negative test result cannot completely rule out IM.

Incubation of the test longer than the recommended time or microbial contamination may cause false positive results.

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