



SSI
DIAGNOSTICA



IMMULEX™ PNEUMOTEST

For *in vitro* diagnostic use

Simple
Fast
Ready to use

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Improving
Microbiology



BACKGROUND

The ImmuLex™ Pneumotest kit is simple and fast to use for partial serotyping (group/type) of *S. pneumoniae*. Using the kit 90-95% of the pneumococci most commonly isolated (from blood and CSF) can be typed, including the related groups/types in the 23 valent vaccine.

APPLICATION

An overnight bacterial culture of pneumococci (Todd-Hewitt broth) or one colony from a 5-10% blood agar plate suspended in saline are mixed with the ImmuLex™ Pneumotest suspension. Use the Pneumotest-Latex chessboard for determination of group/type (see below). If further typing is needed, use SSI Diagnostica traditional pneumococcal antisera in the capsular reaction (Neufeld method).

DESCRIPTION

The 14 latex suspensions (Pool A to I, and P to T) are ready to use and delivered in 1.5 ml plastic vials with a droplet delivery system, administering approximately 10 µl. The antibodies in the latex suspension are raised in rabbits against the capsular polysaccharides present in the pool. The latex suspension is preserved with 15 mM (0.0975%) sodium azide.

PROCEDURE

The latex agglutination test is performed as follows:

1. 1 droplet (10 µl) of latex suspension is placed on the reaction card.
2. 1 droplet (10 µl) of an overnight bacterial culture or a bacterial suspension in saline is placed beside the latex droplet.
3. The two suspensions are mixed.

A positive reaction is indicated by an agglutination appearing within 5 to 10 seconds.

If the reaction time exceeds 30 seconds, false positive reactions may occur.

LIMITATIONS

The ImmuLex™ Pneumotest kit is intended for partial typing of pure cultures of pneumococci.

STORAGE AND SHELF LIFE

Store dark at 2-8 °C. Do not freeze.

Expiry date is printed on the package.

INFORMATION AND ORDERING

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Quality System
DS/EN
ISO 13485

4th edition · May 2019 · 50567

Pool	P	Q	R	S	T	Non-vaccine groups/types
A	1	18 (18F, 18A, 18B, 18C)	4	5	2	
B	19 (19F, 19A, 19B, 19C)	6 (6A, 6B, 6C)	3	8		
C	7 (7F, 7A, 7B, 7C)				20	24 (24F, 24A, 24B) 31, 40
D			9 (9A, 9L, 9N, 9V)		11 (11F, 11A, 11B, 11C, 11D)	16 (16F, 16A) 36, 37
E			12 (12F, 12A, 12B)	10 (10F, 10A, 10B, 10C)	33 (33F, 33A, 33B, 33C, 33D)	21, 39
F				17 (17F, 17A)	22 (22F, 22A)	27 32 (32F, 32A) 41 (41F, 41A)
G						29, 34 35 (35F, 35A, 35B, 35C) 42 47 (47F, 47A)
H	14	23 (23F, 23A, 23B)		15 (15F, 15A, 15B, 15C)		13 28 (28F, 28A)
I						25 (25F, 25A) 38, 43, 44, 45, 46, 48

23-valent vaccine types are indicated by **boldface**. () states types within the group.