

# Clinical sensitivity and specificity

## Vitassay RSV

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An evaluation was performed in order to compare the characteristics of functionality of the evaluated immunocromatographic tests:

- **Vitassay RSV** (Vitassay Healthcare, S.L.U., Spain)
- And other commercial kit
- **BinaxNOW®RSV** (Alere)

For the detection of RSV in nasal swaps.

**TRIAL LOCATION**

This evaluation was performed in an independent laboratory.

**SAMPLES**

Samples were provided for the independent laboratory,

**EVALUATIONS AND RESULTS**

Samples were procesed following up the instructions for use related to each commercial kit.

- Vitassay RSV** (Vitassay Healthcare, S.L.U., Spain)
- **BinaxNOW®RSV** (Alere)

Sensitivity and specificity was obtained using standard methods and the measure of concordance was calculated by Cohen's Kappa coefficient.

The interpretation of the Kappa value should be as follows:

- **Kappa value (IK) <0.4 – weak concordance**
- Kappa value (IK) between 0.4 and 0.6 – High concordance.**
- **Kappa value(IK) >0.6 – Excellent concordance**

- **Vitassay RSV** compared with other commercial kit, BinaxNOW®RSV :

BinaxNOW®RSV				
Vitassay RSV		Positive	Negative	Total
	Positive	18	0	18
	Negative	1	10	11
	Total	19	10	29

Vitassay RSV vs BinaxNOW®RSV			
Sensitivity	Specificity	PPV	NPV
95%	>99%	>99%	91%

**Kappa value: 0,93**

**CONCLUSION:**

**Vitassay RSV** showed a high sensitivity (95%) and a high specificity (>99%) for the detection of RSV antigens compared with other assay.

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