

We are glad to announce that the world’s first bocavirus antigen test has now been IVD CE marked. ArcDia has launched new combi (1144M) and respi (1134M) test plates with improved coverage of Respi test.

From one patient sample:

- Influenza A virus
- Influenza B virus
- Respiratory syncytial virus
- Human metapneumovirus
- Parainfluenza virus type 1
- Parainfluenza virus type 2
- Parainfluenza virus type 3
- Adenovirus
- *Streptococcus pneumoniae*
- Human bocavirus

### About bocavirus diagnostics

Human bocavirus type 1 (HBoV1) is a recently discovered causative agent of acute respiratory tract infections. Almost all people acquire HBoV1 infection by the age of six. So far, rapid diagnosis of acute HBoV1 infections has been challenging. Positive DNA results may be due to viral latency, persistence and/or long term shedding. In addition, HBoV1 DNA positivity is often found in healthy controls and as co-findings with nucleic acids of other viruses. Thus, the DNA PCR in upper respiratory tract samples seems to have low positive predictive value.

It has recently been shown that especially in children, the presence of viral mRNA in nasopharyngeal samples correlates significantly better with the etiology of respiratory tract infections than the presence of DNA.

Antigen detection provides a rapid point-of-care diagnostic alternative for mRNA PCR. The results of the novel antigen test has been shown to correlate very well with mRNA PCR laboratory test which is designed to detect only the acute infection cases.

References:

1. Towards more accurate diagnosis of acute human bocavirus infections, Toivola et al. Poster P12.12, ID40, ESCV 2014, Prague, Czech Republic
2. Advances in the Diagnosis of Acute Human Bocavirus Infections, Toivola et al. Poster P0329, ECCMID 2015, Copenhagen, Denmark
3. Detection of Spliced mRNA from Human Bocavirus 1 in Clinical Samples from Children with Respiratory Tract Infections. Christensen et al. Emerg Infect Dis. 2013; 19(4): 574-580

### mariPOC® test plates available from 22.1.2016

REF	Test plate name	Respi pathogens	Pharyn pathogens
1104M-44	mariPOC® combi test plate	9	2
1114M	mariPOC® respi test plate	9	-
1144M	mariPOC® combi test plate	10	2
1134M	mariPOC® respi test plate	10	-
1124M	mariPOC® pharyn test plate	-	2