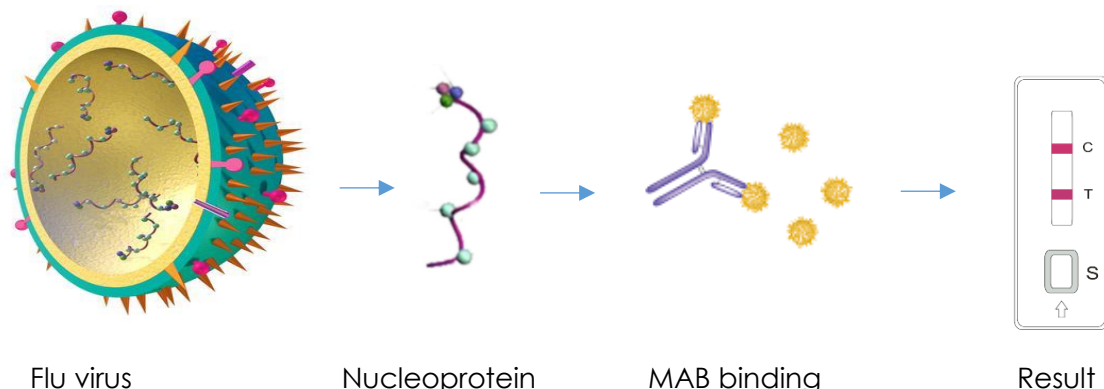


RINGBIO Avian Influenza Virus Rapid Test Kit

Ringbio influenza virus antigen rapid test kit is based on sandwich lateral flow immunoassay to detect NP of AIV as target in avian samples.



Flu A Strains Tested by AIV Ag Rapid Test Kit

Strains	Subtype	Detection Limit	
		Dilution	TCID50
A/Brisbane/59/2007	H1N1	300	1x10 ³
A/California/4/2009	H1N1	300	1x10 ³
A/Minnesota/11/201	H3N2	400	1x10 ³
A/Perth/16/2009	H4N8	300	1x10 ³
A/Duck/England/1962	H5N1	200	1x10 ³
A/BarHeaded Gs/Qinghai/2005	H5N1	500	1x10 ³
A/Hubei/1/2010	H6N2	500	1x10 ³
A/Duck/Hongkong/298/2005	H7N3	500	1x10 ^{2.5}
A/Mallard/Netherlands/12/200	H7N7	400	1x10 ³
A/Netherland/219/2003	H7N9	400	1x10 ³
A/Anhui/1/2013	H8N4	400	1x10 ³
A/Turkey/Ontario/6118/1968	H9N2	300	1x10 ³
A/Hong Kong/33982/2009	H9N2	500	1x10 ³
A/Ck/BJ/1/2015	H10N8	500	1x10 ^{2.5}
A/Jiangxi/3462013	H11N9	500	1x10 ^{2.5}
A/Duck/Memphis/546/1974	H11n9	300	1x10 ³
A/Mallard/Alberta/60/1976	H12N5	400	1x10 ³
A/Gull/MD/704/1977	H13N6	200	1x10 ³
A/Shorebird/DE/172/2006	H16N3	300	1x10 ³

Comparison of AIV Rapid Test Kit with AIV RT-PCR

Field samples were tested with both methods, results are listed below

AIV Ag Rapid Test	RT-PCR Positive(+)	Negative(-)	Total
Positive(+)	95	14	109
Negative(-)	21	289	310
Total	116	303	419

Compared with RT-PCR, the sensitivity and specificity of the rapid test are 81.90% and 95.38%, total accuracy is 91.65%.

Ring Biotechnology Co Ltd

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RINGBIO Avian Influenza Virus Rapid Test Kit

Flu A Strains tested by AIV H5 Ag Test

Strains	Subtype	Detection Limit	
		Dilution	TCID50
A/Beijing/1/2003	H5N1,C1.7	200	1x10 ^{3.5}
A/Vietnam/1203/2004	H5N1,C1.1	300	1x10 ³
A/Bar-headed Gs/Qinghai/1/2005	H5N1,C1.2.2	500	1x10 ³
A/Anhui/1/2005	H5N1,C1.2.3.4	500	1x10 ³
A/Hubei/1/2010	H5N1,C1.2.3.2.1	500	1x10 ³
A/Dk/Beijing/118/2013	H5N1,C1.2.3.2.4	500	1x10 ³
A/Ck/Guangdong/1061/2013	H5N1,C1.2.3.4.4	300	1x10 ^{3.5}
A/Guangdong/1/2014	H5N1,C1.2.3	200	1x10 ^{3.5}

Flu A Strains Tested by AIV H7 Ag Test

Strains	Subtype	Detection Limit	
		Dilution	TCID50
A/Mallard/Netherlands/12/200	H7N3	400	1x10 ³
A/Ck/Hubeijing/1/2002	H7N2	400	1x10 ³
A/Netherland/219/2003	H7N7	500	1x10 ³
A/Anhui/1/2013	H7N9	500	1x10 ³
A/Shanghai/1/2003	H7N9	500	1x10 ³

Flu A Strains Tested by AIV H9 Ag Test

Strains	Subtype	Detection Limit	
		Dilution	TCID50
A/Hongkong/33982/2009	H9N2	500	1x10 ³
A/Mink/SD/rc1/2014	H9N2	500	1x10 ³
A/Ck/1/2005	H9N2	500	1x10 ³

* Dilution starts from viral stock with HA titer of 16, data collected by local CDC

Other Influenza Test Kit from Ringbio

Product Code	Description	Package Size
VFP006	Avian Influenza Virus H5N1 Real-time PCR Kit	50 tests/kit
VFP011	Avian Influenza Virus H7N9 Real-time PCR Kit	50 tests/kit
VQP008	Avian Influenza Virus Real-time PCR Kit	50 tests/kit
VQP004	Avian Influenza Virus H5 Real-time PCR Kit	50 tests/kit
VFP007	Avian Influenza Virus H7 Real-time PCR Kit	50 tests/kit
VQP010	Avian Influenza Virus H5 H7 Duplex Real-time PCR Kit	50 tests/kit

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