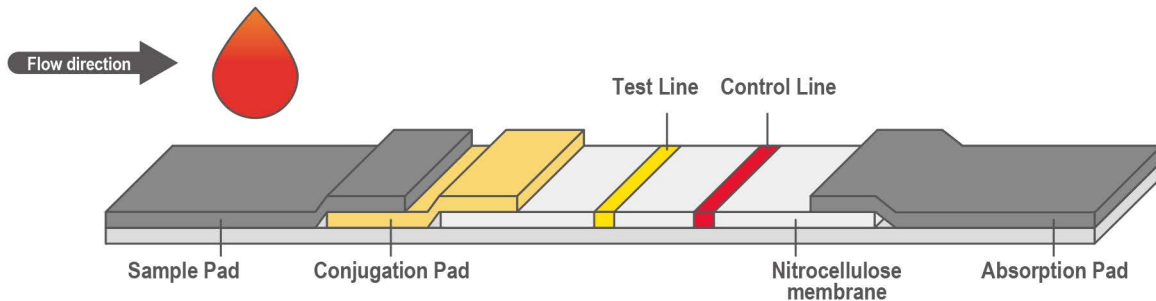
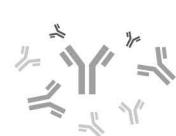


- Your Expertise
- Our Antibodies
- Accelerated Discovery

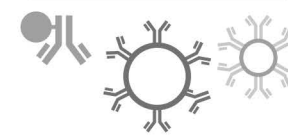
Lateral Flow Assay (LFA) Development Service




Antibody Screening




Antibody Conjugation



Antibody Pairing Test



Limit of Detection (LoD)



Antibody Screening

- Select from GeneTex’s extensive polyclonal & monoclonal antibody catalog
- Recombinant antibodies with:
 - High reproducibility
 - Consistent and scalable supply
 - LFA validation
 - High specificity
 - Defined antibody sequence

Antibody Evaluation

	Antibody Conjugation Test	Antibody Pairing Test
Content	<ul style="list-style-type: none"> Particle size Conjugation conditions Antibody concentration 	<ul style="list-style-type: none"> NC Membrane selection C- & T-line coating concentration Antibody combinations Test stick assembly Control samples Data quantification by reader
Output	Fixed Ab-conjugates	Antibody pair reactivity

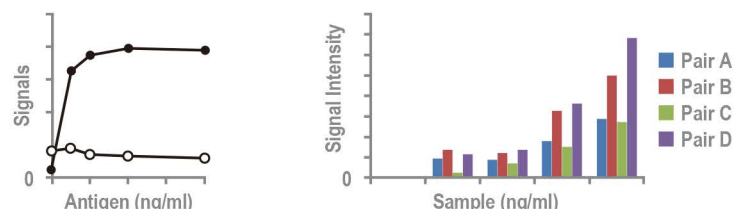
Limit of Detection (LoD) Testing

- LoD determination will be performed by selecting the top-scoring antibody pairing(s) against positive (P) and negative (N) control samples.

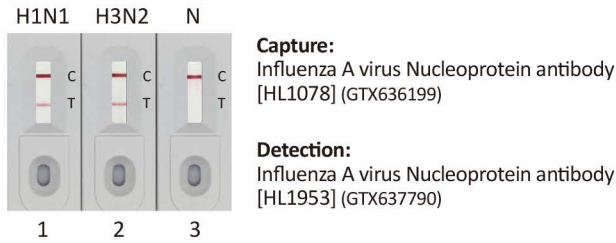
LoD: Images



LoD: Reader



Influenza A Virus (FluA)



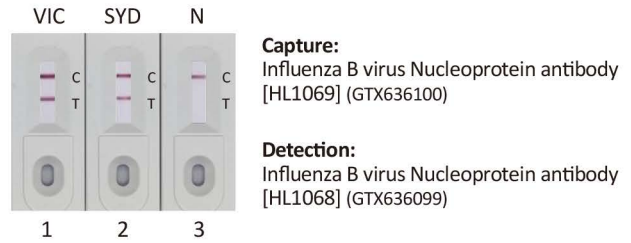
Capture:
Influenza A virus Nucleoprotein antibody
[HL1078] (GTX636199)

Detection:
Influenza A virus Nucleoprotein antibody
[HL1953] (GTX637790)

Samples:

1. Influenza A virus Nucleoprotein (A/California/2009 (H1N1)) (GTX135904-pro)
2. Influenza A virus Nucleoprotein (A/Hong Kong/2671/2019 (H3N2)) (GTX136317-pro)
3. Lysis buffer

Influenza B Virus (FluB)



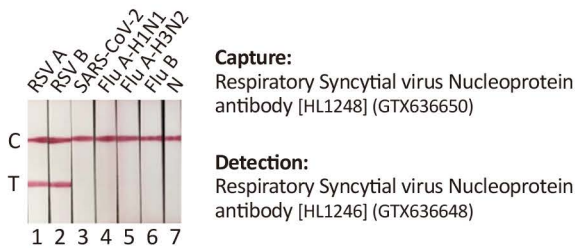
Capture:
Influenza B virus Nucleoprotein antibody
[HL1069] (GTX636100)

Detection:
Influenza B virus Nucleoprotein antibody
[HL1068] (GTX636099)

Samples:

1. Influenza B virus Nucleoprotein (B/Victoria/02/1987) (GTX136277-pro)
2. Influenza B virus Nucleoprotein (B/Sydney/3/2004) (GTX135867-pro)
3. Lysis buffer

Respiratory Syncytial Virus (RSV)



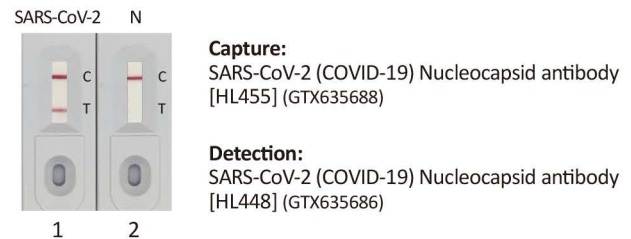
Capture:
Respiratory Syncytial virus Nucleoprotein
antibody [HL1248] (GTX636650)

Detection:
Respiratory Syncytial virus Nucleoprotein
antibody [HL1246] (GTX636648)

Samples:

1. RSV type A Nucleoprotein (GTX136751-pro)
2. RSV type B Nucleoprotein (GTX136931-pro)
3. SARS-CoV-2 Nucleocapsid protein (GTX135592-pro)
4. FluA (H1N1) Nucleoprotein (GTX135904-pro)
5. FluA (H3N2) Nucleoprotein (GTX135903-pro)
6. FluB Nucleoprotein (GTX136277-pro)
7. Lysis buffer

SARS-CoV-2 (COVID-19)



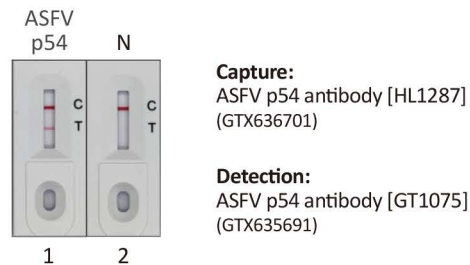
Capture:
SARS-CoV-2 (COVID-19) Nucleocapsid antibody
[HL455] (GTX635688)

Detection:
SARS-CoV-2 (COVID-19) Nucleocapsid antibody
[HL448] (GTX635686)

Samples:

1. SARS-CoV-2 (COVID-19) Nucleocapsid protein (GTX135592-pro)
2. Lysis buffer

African Swine Fever Virus



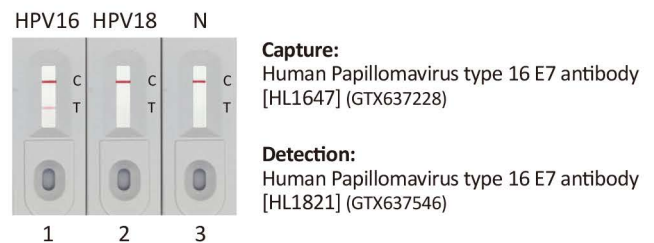
Capture:
ASFV p54 antibody [HL1287]
(GTX636701)

Detection:
ASFV p54 antibody [GT1075]
(GTX635691)

Samples:

1. ASFV p54 (ECD) protein, His Tag (GTX135175-pro)
2. Lysis buffer

Human Papillomavirus type 16 E7



Capture:
Human Papillomavirus type 16 E7 antibody
[HL1647] (GTX637228)

Detection:
Human Papillomavirus type 16 E7 antibody
[HL1821] (GTX637546)

Samples:

1. HPV16 E7 protein (GTX133411-pro)
2. HPV18 E7 protein (GTX133412-pro)
3. Lysis buffer

