microFluidic Isothermal amplification Nucleic acid Detection（mFIND) analyzer and chip

2 steps, 15min detection of virus nucleic acid



DawnsaiL

Overwhelming Superiority

- 15 minute test time due to 6 enzyme catalysis
- 2 step simple extraction owe to interference resistant enzymes
- Fluorescent DNA probe, specific and sensitive (100 copies/ml)
- Sealed chip, tiny volume and no contamination
- 4 items in 1 chip, 4 chips at 1 time, 16 items/test high throughput
- 4 chips at same time, 1 chip 1 result window



Product Family

Friends with DawnsaiL, loved forever



Symptom	4-in-1 test chip	Sample
Feline respiratory system	Feline Herpesvirus/Feline CaliciVirus/Mycoplasma Felis/Chlamydia Felis	Nasal&Ocular swab
Feline digestion system	Feline Panleukopenia Virus/Feline Coronavirus/Trichomonas Fetuses/Giardia Lamblia	Anal Swab
Feline anemia	Feline Leukemia Virus/FIV/Bartonella Henselae/Mycoplasma Haemofelis	EDTA Anticoagulated Blood
Feline stomatitis	Feline Herpesvirus/Feline CaliciVirus/Feline Leukemia Virus/FIV	Nasal & Ocular swab
Canine respiratory system	Canine Distemper Virus/Canine Parainfluenza Virus/ Canine Adenovirus Type II/Canine Bordetella Bronchiseptica	Nasal & Ocular swab
Canine digestion system	Canine Parvovirus/Canine Coronavirus/Trichomonas Fetuses/Giardia Lamblia	Anal Swab
Canine anemia	Ehrlichia Canis/Dirofilaria Immitis/Babesia Canis/Babesia Gibsoni	EDTA Anticoagulated Blood
Zoonotic disease	Toxoplasma Gondii/Leptospirosis/Bartonella Henselae/Borrelia Burgdorferi	EDTA Anticoagulated Blood

Symptom	3-in-1 test chip	Sample
Feline respiratory system	Bordetella Bronchiseptica/Crytococcus Neoformans/Feline Parainfluenza Virus	Nasal & Ocular swab
Canine respiratory system	Canine Herpesvirus/Canine Influenza virus/Mycoplasma	Nasal & Ocular swab
Canine/Feline Digestion system	Trichomonas fetuses/Giardia lamblia/Helicobacter Pylori	Anal swab

Symptom	2-in-1 test chip	Sample
Feline digestion system	Feline Panleukopenia Virus/Feline Coronavirus	Anal swab
Feline anemia	Feline Leukemia Virus/FIV	EDTA anticoagulated blood
Canine respiratory system	Canine Distemper Virus/Canine Parainfluenza Virus	Nasal & Ocular swab
Canine digestion system	Canine Parvovirus/Canine Coronavirus	Anal swab
Canine/Feline digestion system	Trichomonas Fetuses/Giardia Lamblia	Anal swab
Canine/Feline digestion system	Toxoplasma Gondii/Helicobacter Pylori	Anal swab
Canine/Feline anemia	Babesia Canis/Babesia Gibsoni	EDTA anticoagulated blood
Canine/Feline anemia	Leishmania Infantum/Hemotropic Mycoplasma	EDTA anticoagulated blood

Symptom	Single test chip	Sample
Feline Infectious Peritonitis	Feline Infectious Peritonitis Virus	Feline ascites
Canine/Feline respiratory system	RV (Rabies Virus)	Savila swab
Swine respiratory system	ASFV (Africa Swine Fever Virus)	Serum / Nasal&ocular swab

mFIND Nucleic Acid Test Report

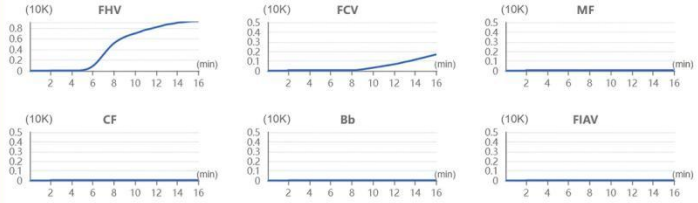
Sample ID：202507030015
Batch No.：MHX4-5261
Owner Name：Catherina
Owner Phone：+50-132567824
Pet Nickname：Sweet
Species：Cat
Gender：Female
Age：0Year9Month
Weight：5kg

Clinical Symptoms

Vaccination History：None；Clinical Symptoms：Match；Fever , Lethargy；

Test Results

Item	Result	Conclusion	Item	Result	Conclusion
FHV	5.7min	Positive	FCV	9.9min	Positive
MF	>15.0min	Negative	CF	>15.0min	Negative
Bb	>15.0min	Negative	FIAV	>15.0min	Negative



Clinical Significance

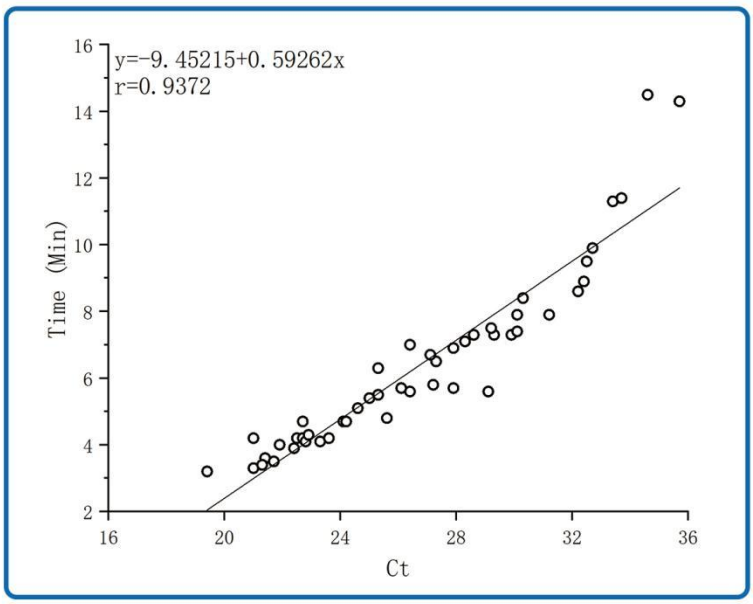
MHX4: Feline Herpesvirus Type 1（FHV-1）, Feline Calicivirus（FCV）, Mycoplasma felis (MF), and Chlamydia felis (CF) are common primary pathogens causing feline upper respiratory tract infections. They can lead to clinical signs such as sneezing, nasal discharge, conjunctivitis, tearing, coughing, fever, stomatitis, and tongue ulcers. These pathogens are highly contagious and commonly spread in high-density environments such as catteries, multi-cat households, and pet stores. Infections may occur individually or as mixed infections.

BF2: Bordetella bronchiseptica (Bb) & Feline Influenza A Virus (FIAV) . Bb infection is often subacute or chronic, leading to persistent coughing, sneezing, rhinitis, and bronchitis. FIAV infection may cause fever, sneezing, coughing, labored breathing, loss of appetite, and lethargy.

Address：Lakeland
Phone：139

This result is valid only for this sample. The report is for clinical reference only.

Linear correlation of FeLV test result by mFIND and qPCR



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