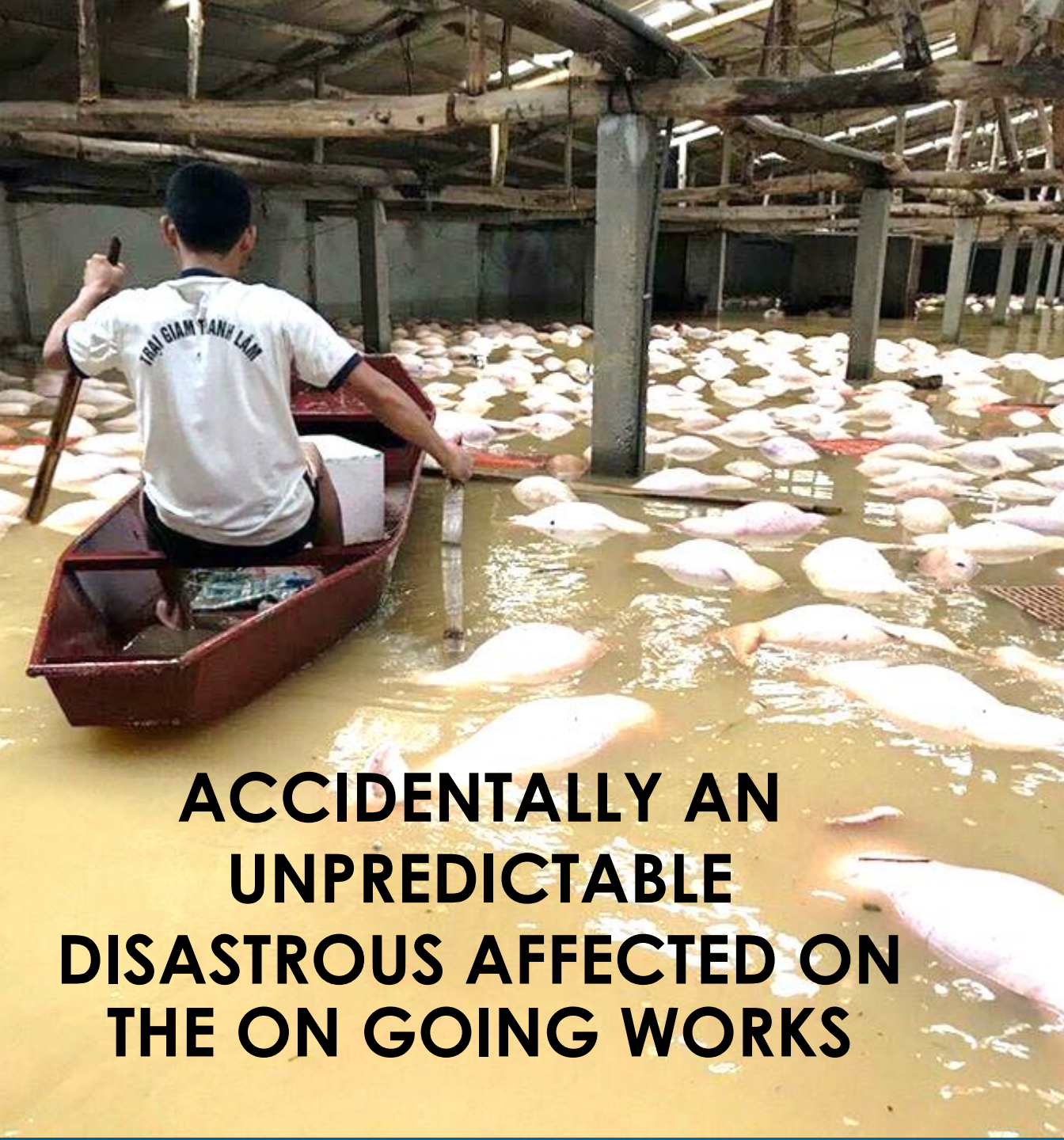




HEALTH AND DISEASE ASPECT IN EXPERIMENTAL PIG





**ACCIDENTALLY AN
UNPREDICTABLE
DISASTROUS AFFECTED ON
THE ON GOING WORKS**





**CATASTROPHICS,
DISASTROUS
SITUATION, - A FLASH
FLOOD IN HEAVY
RAINING SITUATION
OF TROPICAL
MONSOON SEASON**

AFRICAN SWINE FEVER (ASF),
AN UTMOST DEVASTATING DISEASE OF PIG
EVER HAPPEN.

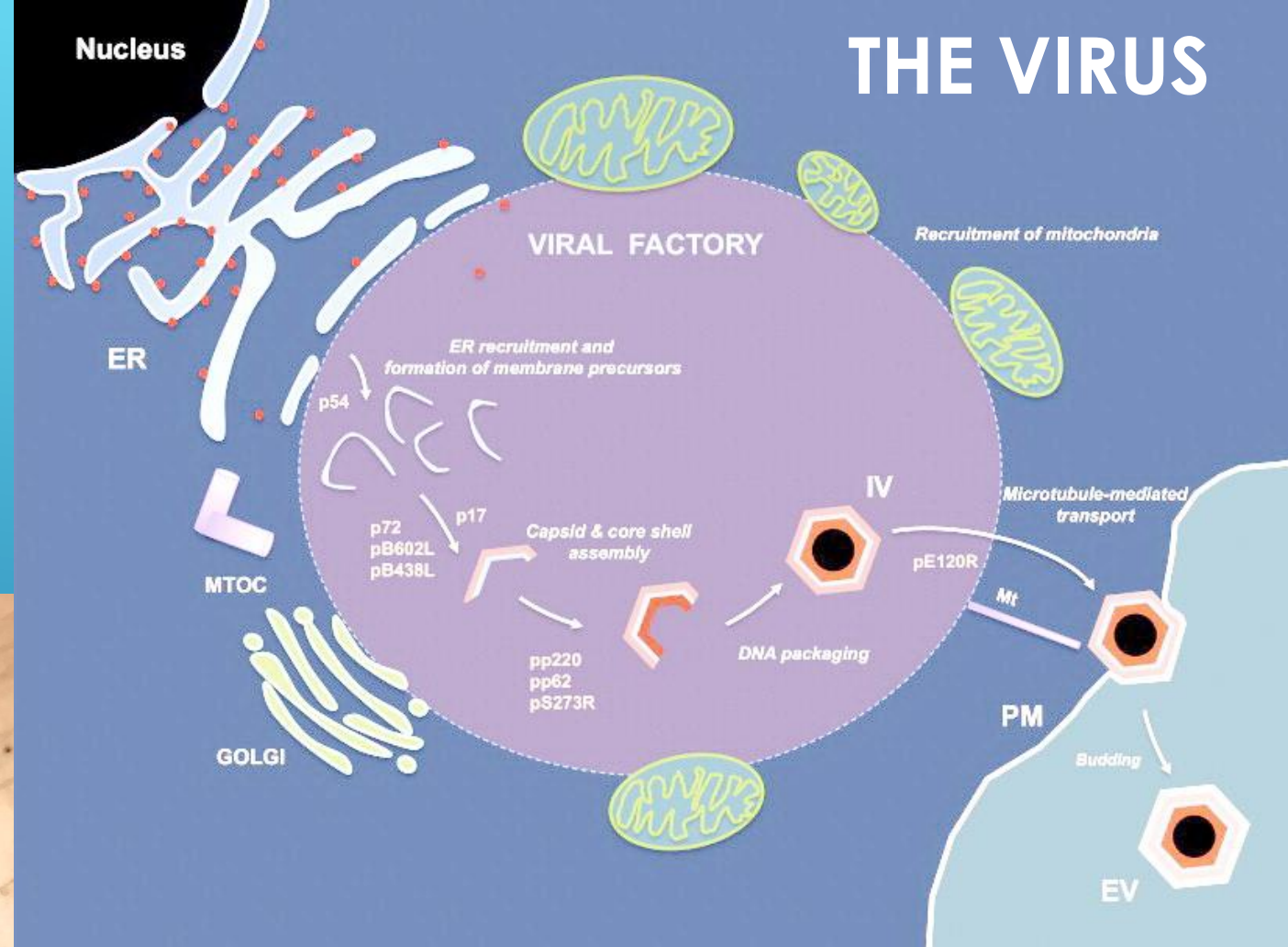
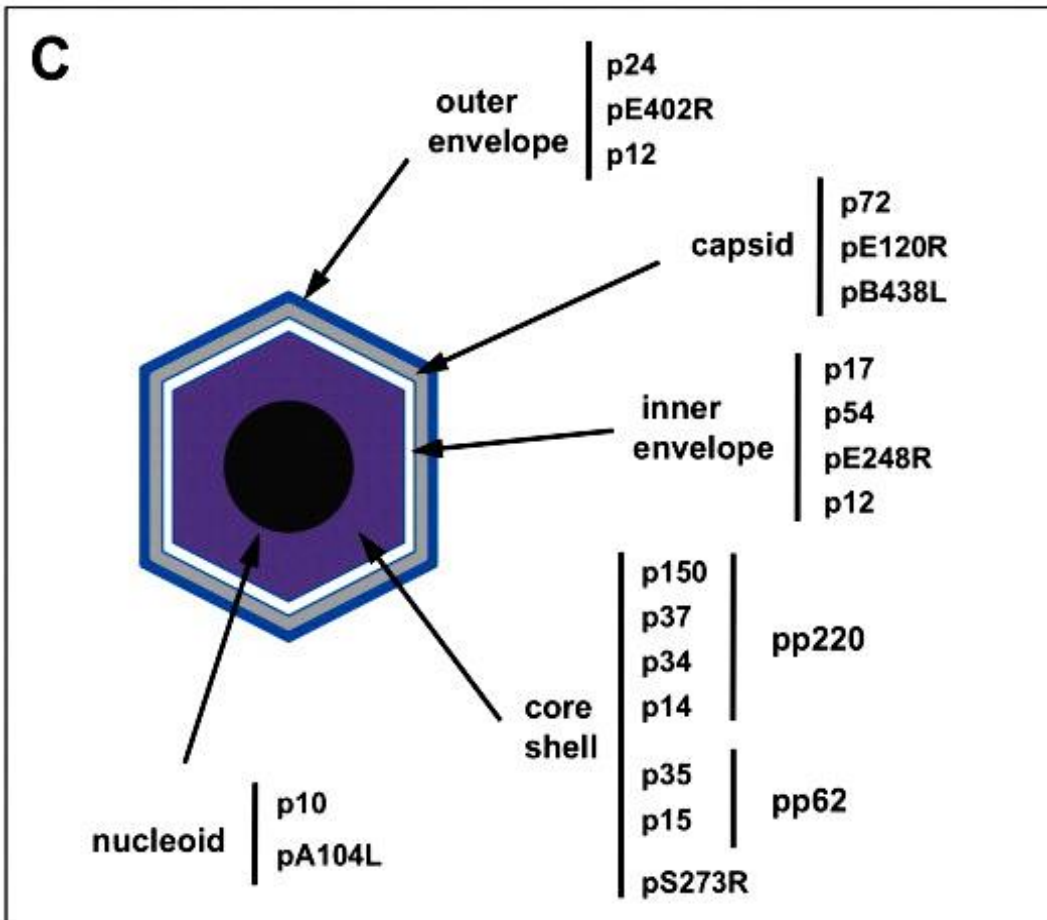
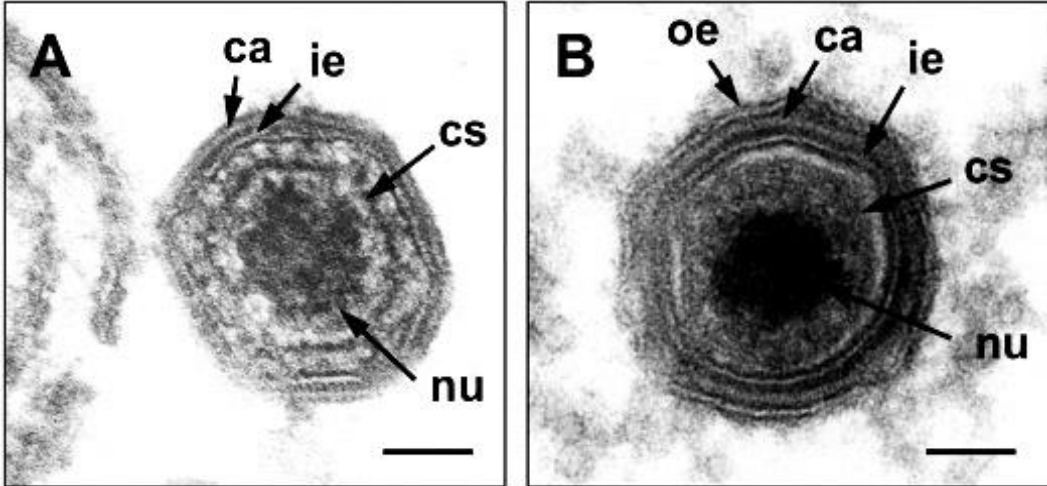
IN THAILAND APPEARED AND NAMED AS A
MYSTERY DREADFUL DISEASE OF PIG SINCE
THE SECOND HALF OF YEAR 2019 IN THE
BORDER PROVINCES OF THE NORTHEAST
AND THE NORTH.



**THE ASF
FIRST
APPROACHING
TO
GEORGIA,
WESTERN
RUSSIA,
EASTERN
EUROPEAN
COUNTRIES
IN 2007**

OCCURING OF ASF GENOTYPE2 SINCE 2007, AUG 2018 ARRIVE NORTHEAST CHINA







ATTEMPTING TO ERADICATE THE DREADFUL PIG DISEASE, ASF THAT NEWLY EMERGING IN CHINA IN 2018-2019

IN THAILAND THIS DEVASTATING PIG
DISEASE HAS BEEN KNOWN AS
MYSTERY DREASFUL DISEASE OF PIG,
OR OTHERWISE BE OFFICIALLY, RIGHT
AFTER THE STATE LAB DIAGNOSIS,
CALLED AS “ **PRRS** ” FOR A PERIOD
OF YEARS, UNTIL RECENTLY- THE EARLY
WEEK OF THIS YEAR 2022.

**ATTEMPTING TO
COPE WITH THE
DISEASE PROBLEM
IN SOME PARTS OF
THE WORLD**

Interpretation of the results of nucleic acid testing and antibody testing

Nucleic Acid Detection	Antibody detection			Clinical sign	Determination	Disposal method
	P30	P54	P72			
+	-	-	-	Early stage of epidemic, antibody has not yet been produced	+	Eliminate
+	+	-	-	Early stage of epidemic, antibody has just been produced	+	Eliminate
+	-	+	-	Mid-late stage of epidemic	+	Eliminate
+	-	-	+	Mid-late stage of epidemic	+	Eliminate
+	-	+	+	Mid-late stage of epidemic	+	Eliminate
-	+	-	-	Low viremia / low virulent strain / attenuated strain at early stage of epidemic, or error in nucleic acid testing	+	Eliminate
-	-	+	-	Low viremia / low virulent strain / attenuated strain at mid-late stage of epidemic	+	Eliminate
-	-	-	+	Low viremia / low virulent strain / attenuated strain at mid-late stage of epidemic	+	Eliminate
-	-	+	+	Low viremia / low virulent strain / attenuated strain at mid-late stage of epidemic	+	Eliminate
-	-	-	-	Negative	-	Eliminate

ANTIGEN TEST KIT, LATERAL FLOW

POSITIVE BANDS AT BOTH T 1 AND T 2



Before safe and effective vaccines are on the market, any differential Diagnosis is not only unscientific, but also of no practical significance!!

ผลการทดสอบตัวอย่างเลือด 3 ตัวอย่าง วันที่ 5 พฤษภาคม 2564

No.	Sample ID / Name	Cq	Result	Remark
1	M1	16.11	Positive	
2	M2	18.11	Positive	
3	M3	19.96	Positive	

REAL TIME PCR FOR
MYSTERY DREADFUL
DISEASE OF SWINE (ASF)
IN RECENT OUT BREAK IN
CENTRAL THAILAND

ASFV	Copies per 25 μ L reaction	Ct mean	Replicates detected
	10,000,000	13.8	3/3
	1,000,000	17.0	3/3
	100,000	20.2	3/3
	10,000	23.5	3/3
	1,000	26.8	3/3
	100	30.0	3/3
	10	33.8	3/3

ผลการทดสอบตัวอย่าง เลือด 5 ตัวอย่าง					
ส่งตัวอย่างวันที่ 12 กรกฎาคม 2564 รับตัวอย่างวันที่ 12 กรกฎาคม 2564					
ชุดทดสอบ PCR : Qiagen (40 cycle)					
No.	Sample ID / Name	Cq (FAM)	HEX	Cy5	Result
1	SPB	18.22	22.47	23.57	Positive
2	SPB 1	20.11	24.41	26.93	Positive
3	SPB 2	21.54	26.17	27.62	Positive
4	SPM 10	18.72	15.56	20.47	Positive
5	SPM 50	21.13	19.67	21.48	Positive

MYSTERY DREADFUL SWINE DISEASE OF 2019-2022

CANDIDATE ASF VACCINE, MODIFIED LIVE, GENE DELETED VIRUS, DEVELOPED IN USA AND BEING MANUFACTURED IN VIETNAM





**THE LEFTOVER SURVIVOR –A FREE LIV
PIG IN A COMMUNITY CEMETERY YA
A TEMPLE IN BANPONG, RATCHABUR**



DIAGNOSIS THE DISEASES

WHILE RUNNING
AN EXPERIMENT,
THE
UNEXPECTED
ATTRITION
AND
DROPOUT
CAUSED BY
HEALTH
PROBLEM



SEVERE ENTERIC DISEASES



**BLOODY
DIARRRHEA**



MAKING A BLOOD TEST ON DISEASE DETECTION – INDIVIDUAL ANIMAL

**BLOOD COLLECTION FROM
SKIN OF THE TAIL TIP FROM A SOW IN
THE BATTERY CRATE, WITHOUT
CAUSING (ANY) STRESS ON ANIMAL**



DISEASE OF CONCERN

- SF, ASF AD, FMD, PCV, PRRS, SIV, PED, POX
- APP, LI, SALMO, M HYO, SD, AR, M SUIS, ERYs, STREP, GREAY PIG, COLI.
- PARASITIC, MANGE





SITE OF VENEPUNCTURE

**AT THE END OF JUGULAR
GROOVE, MAKING THE
IMAGINARY ALIGNMENT OF
A 45 DEGREE TO ALL THE
THREE BODY DIMENSIONS**

20 06 2015

**REQUIRE A CONSENT FROM
THE ANIMAL OWNERS**





**OR LOOKING FOR ANIMALS FROM A SELECTED
MINIMAL DISEASE (MD), GAP, GFM HERDS ;
BY STUDYING FROM THE PREVIOUS HISTORY, LAB TEST.**

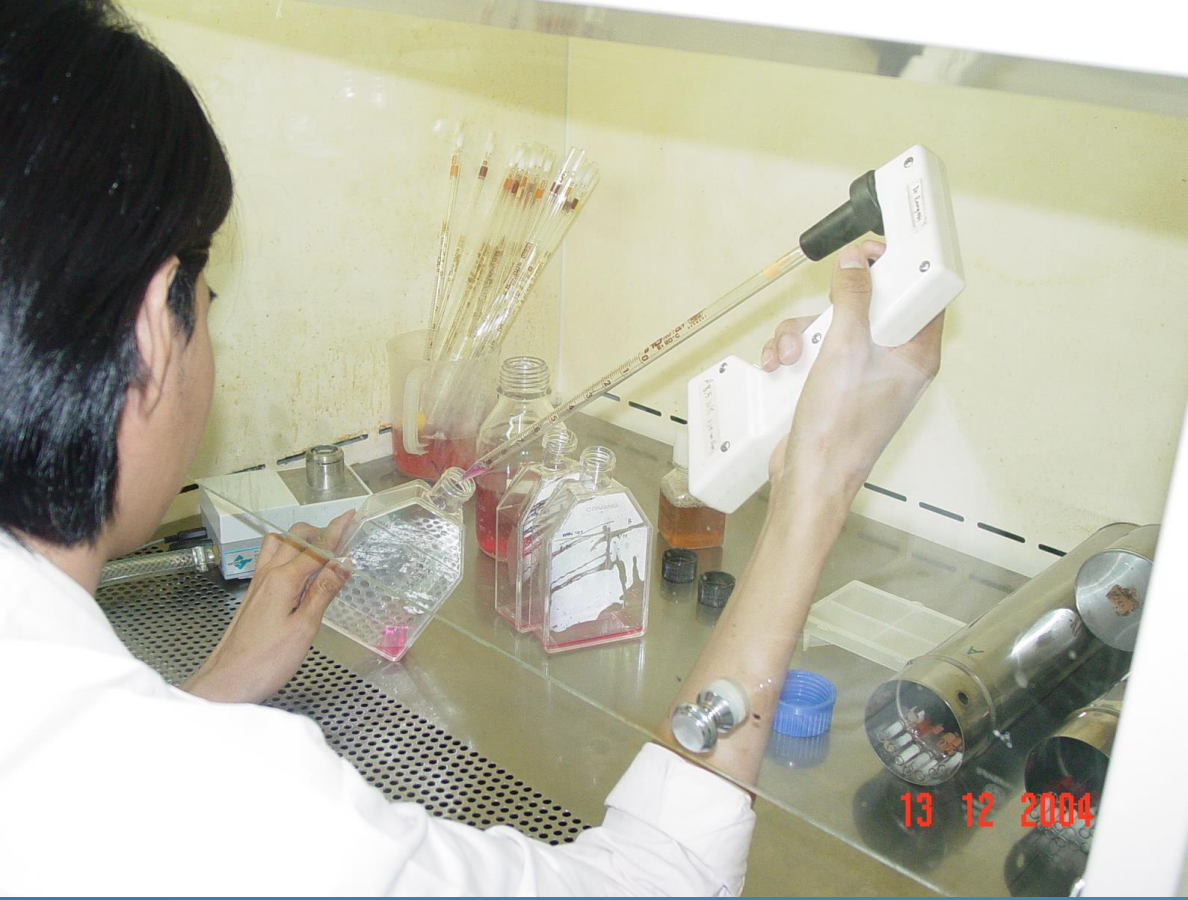


02 03 2016

A photograph of a female student in a white lab coat, seen from the side, looking through the eyepiece of a large, silver and black compound microscope. She has dark hair tied in a ponytail with a red hair tie. Her left hand is on the stage of the microscope, holding a clear rectangular container with orange liquid. The microscope has a camera mounted on top. In the background, another student is partially visible. The lab bench is light green. There are several clear containers with orange liquid on the bench. The text 'BASIC KNOWLEDGE ON LABORATORY TECHNIQUES' is overlaid in large, bold, black letters. A red date stamp '11/12/2004' is in the bottom right corner. The Thai text 'ภา.ร่วมภาค' is visible on the side of the microscope base.

BASIC KNOWLEDGE ON LABORATORY TECHNIQUES

11/12/2004



**CONFIRMED DIAGNOSIS
AND
DEFINITE DIAGNOSIS**

