

PREVENTION AND CONTROL OF INFECTIOUS DISEASES ACT 1988

PREVENTION AND CONTROL OF INFECTIOUS DISEASES  
(IMPORTATION AND EXPORTATION OF HUMAN REMAINS, HUMAN  
TISSUES AND PATHOGENIC ORGANISMS OR SUBSTANCES)  
REGULATIONS 2005

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SCHEDULES

## PREVENTION AND CONTROL OF INFECTIOUS DISEASES ACT 1988

### PREVENTION AND CONTROL OF INFECTIOUS DISEASES (IMPORTATION AND EXPORTATION OF HUMAN REMAINS, HUMAN TISSUES AND PATHOGENIC ORGANISMS OR SUBSTANCES) REGULATIONS 2005

IN exercise of the powers conferred by section 31 of the Prevention and Control of Infectious Diseases Act 1988 [Act 342], the Minister makes the following regulations:

#### **Citation and commencement**

1. (1) These Regulations may be cited as the **Prevention and Control of Infectious Diseases (Importation and Exportation of Human Remains, Human Tissues and Pathogenic Organisms or Substances) Regulations 2005**.

(2) These Regulations come into operation on 2006.

#### **Interpretation**

2. In these Regulations, unless the context otherwise requires-
- “human remains or any part thereof” mean human bodies that are dead, organs or any part thereof, but do not include human ashes from cremation;
- “human tissues or any part thereof” include –
- (a) any human cell;
  - (b) any human organ;
  - (c) blood and blood products, seminal fluid, vaginal fluid, cerebrospinal fluid, joint fluid or any other human body fluid; or
  - (d) any of the parts specified in paragraph (a), (b) or (c).

### **Importation and exportation of human remains or any part thereof**

3. (1) No person shall import or export human remains or any part thereof unless with the approval of an authorized officer.

(2) An authorized officer may impose any conditions if he suspects that the cause of death of the human remains or any part thereof was due to, an infectious disease.

(3) An application to import or export human remains or any part thereof shall be made to the authorized officer by using the form as specified in the First Schedule and shall be accompanied with the following:

- (a) a certificate of death;
- (b) a burial permit; and
- (c) any other documents as the Director General thinks necessary.

(4) Upon approval of an application made under subregulation (3), the authorized officer, shall, subject to regulation 8, issue a permit as specified in the Fourth Schedule.

(5) A permit for importation of human remains or any part thereof shall only be issued after the human remains or any part thereof arrives into Malaysia and after the authorized officer has examined the human remains or any part thereof, its casket and any relevant documents.

(6) Without prejudice to subregulation (3), an authorized officer may impose additional conditions for the purpose of controlling the spread of infectious diseases after the examination under subregulation (5) has been made.

(7) An application for exportation of human remains or any part thereof shall comply with any condition imposed by the recipient country.

(8) For the purpose of trans-shipment of human remains or any part thereof from the entry point to the burial place, an authorized officer may issue a letter of undertaking to the applicant at the entry point and such letter of undertaking shall be submitted to any authorized officer of the health office nearest to the burial place.

(9) The letter of undertaking issued under subregulation (8) shall be in the form as specified in the Sixth Schedule.

**Importation and exportation of human tissues or any part thereof**

4. (1) No person shall import or export human tissues or any part thereof unless with the approval of the authorized officer.

(2) An application to import or export human tissues or any part thereof shall be made to the authorized officer by using the form as specified in the Second Schedule prior to the entry into, or departure from, Malaysia, of the human tissues or part thereof, and such application shall be accompanied with the following:

- (a) a copy of the applicant's identity card or any other documents of his identification;
- (b) the information on such human tissues or part thereof;
- (c) certification from the exporting or importing country, as the case may be; and
- (d) any other documents as the authorized officer thinks fit.

(3) An application to import human tissues or part thereof shall comply with any condition imposed by the recipient country.

(4) An authorized officer may impose any condition if he suspects that the human tissues or any part thereof contain pathogenic organisms or substances or part thereof.

(5) Upon approval of an application made under subregulation (2), the authorized officer shall, subject to regulation 8, issue a permit as specified in the Fifth Schedule.

**Importation and exportation of pathogenic organisms or substances or any part thereof**

5. (1) No person shall import or export any pathogenic organisms or substances or any part thereof categorized as risk group 1 or 2 unless approved by an authorized officer.

(2) An application to import or export any pathogenic organisms or substances or any part thereof shall be made to an authorized officer prior to the entry into, or departure from, Malaysia, of any pathogenic organisms or substances or any part thereof by using the form as specified in the Third Schedule and the application shall be accompanied by the following:

- (a) documentation of the type and the risk group of pathogenic organisms or substances or any part thereof;
- (b) documentation of measures taken to contain any pathogenic organisms or substances or any part thereof; and
- (c) any other documents as the authorized officer thinks necessary.

(3) An authorized officer may impose any conditions which he deems necessary before the approval under subregulation (1) is given.

(4) Upon approval of an application made under subregulation (2), the authorized officer shall issue a permit as specified in the Fifth Schedule.

**Risk category of pathogenic organisms and substances or part thereof**

6. (1) Pathogenic organisms or substances or any part thereof shall be categorized in accordance with the risk groups as specified in the Seventh Schedule.

(2) Any pathogenic organisms or substances or any part thereof categorized as risk group 3 or 4 shall only be allowed for import or export with the approval of the Director General.

(3) The importation or exportation of any human remains, human tissues or any part thereof which contains pathogenic organisms or substances or any part thereof which are in risk group 3 or 4 shall only be allowed with the approval of the Director General.

### **Safety measures**

7. (1) It shall be the responsibility of any person involved in the import, export or the use of human remains, human tissues or any part thereof, pathogenic organisms or substances or part thereof to take all necessary safety measures in compliance with the standards as may be specified by the Director General for their packaging, transporting, usage, storage or disposal to prevent the transmission of infectious diseases.

(2) Any person referred to in subregulation (1) shall, at all times take appropriate safety measures to avoid any transmission of infectious diseases and shall immediately notify the nearest health office if the transmission occurs.

(3) In the event where any person referred to in subregulation (1) fails to take any appropriate safety measures as mentioned in subregulation (2), the authorized officer may take such safety measures and any cost or expenses incurred in relation to the safety measures taken may be recovered from that person.

(4) Any person referred to in subregulation (1) shall keep and maintain records of receipt, usage, storage or disposal of the human remains, human tissues or any part thereof or pathogenic organisms or substances or any part thereof.

### **Fees**

8. (1) Subject to subregulation (2), fees shall be imposed on any permit issued under these Regulations and the amount shall be as specified in the Eighth Schedule.

(2) Fee for the issuance of permit under these Regulations is exempted if the application for permit is received from the Government departments or its agencies.

### **Offences and penalties**

9. Any person who fails to comply with any provisions under these Regulations commits an offence and shall on conviction be liable –

- (a) in respect of a first offence, to imprisonment for a term not exceeding one year or to a fine not exceeding three thousand ringgit or to both;
- (b) in respect of a second offence or subsequent offence, to imprisonment for a term not exceeding three years or to a fine not exceeding five thousand ringgit or to both;
- (c) in respect of a continuing offence, to a further fine not exceeding one hundred ringgit for every day during which such offence continues.











**THIRD SCHEDULE  
(Subregulation 5(2))**

**FORM**

**PREVENTION AND CONTROL OF INFECTIOUS DISEASES ACT 1988**

**PREVENTION AND CONTROL OF INFECTIOUS DISEASES (IMPORTATION AND EXPORTATION OF HUMAN REMAINS,  
HUMAN TISSUES AND PATHOGENIC ORGANISMS OR SUBSTANCES) REGULATIONS 2005**

**APPLICATION FOR IMPORT OR EXPORT OF PATHOGENIC ORGANISMS OR SUBSTANCES OR PART THEREOF**

Medical Officer of Health:  (District)

**A. Information of Applicant**

1. Name:

2. Address:

3. NRIC / Passport No.\*:

4. Telephone No.:  Fax No.:

5. Name of User (1):   
 Address:

Name of User (2):   
 Address:

Name of User (3):   
 Address:

**B. Information of Pathogenic Organisms or Substances or Part Thereof**

Item	Description
1. Name of Organisms: Batch No.:	
	Pathogenic / Non Pathogenic*
2. Risk Group and Quantity:	
3. Usage / Type of Test*:	
4. Mode of Transport:	
5. Method of Packaging:	
6. Method of Disposal:	

The above consignment will enter / exit\* through:   
(Name of entry point)

Month

Year

**C. Attached Documents (Tick if available)**

- 1. Copy of NRIC / Passport\*
- 2. Information about the pathogenic organisms or substances or part thereof from country of origin
- 3. Certification / Documentation\* from importing / exporting\* country
- 4. Information / Documentation\* on method of disposal

I hereby declare that I will take all necessary measures to ensure that the trans-shipment of this pathogenic organisms or substances or part thereof would not endanger or cause adverse impact on public health.

Signature of applicant: \_\_\_\_\_

Date:   /   /      
d d m m y y y y

**FOR OFFICE USE ONLY**

a. Date of Application Received:   /   /      
d d m m y y y y

b. Name of officer:

c. Documents: Complete  Incomplete

d. Recommendation: Recommended  Not Recommended

e. Application: Approved  Not Approved

Signature and stamp of authorized officer: \_\_\_\_\_

Date:   /   /      
d d m m y y y y

\* Delete whichever is not applicable

**FOURTH SCHEDULE**  
(Subregulation 3(4))

Serial No.: 

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**PREVENTION AND CONTROL OF INFECTIOUS DISEASES ACT 1988**

**PREVENTION AND CONTROL OF INFECTIOUS DISEASES (IMPORTATION AND EXPORTATION OF HUMAN REMAINS, HUMAN TISSUES AND PATHOGENIC ORGANISMS OR SUBSTANCES) REGULATIONS 2005**

**PERMIT TO IMPORT / EXPORT HUMAN REMAINS OR ANY PART THEREOF**

1. Name of Deceased/Owner of Body Parts\*:

2. Citizenship:

3. Age: 



 years 



 months

4. Gender: Male  Female

5. Date of Death: 

		/			/				
<i>d</i>	<i>d</i>		<i>m</i>	<i>m</i>		<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>

6. Cause of Death:

7. Upon submission to me of information regarding the deceased and/or body parts and the required documents specified in subregulation 3(3), I hereby grant permission to:

Name of importer / exporter / next of kin\*:

NRIC / Passport\* No.:

to import / export\* the deceased / body parts\* in the casket / container\* to (*destination*)



Signature \_\_\_\_\_

Name of authorized officer:

Date of issue: 

		/			/				
<i>d</i>	<i>d</i>		<i>m</i>	<i>m</i>		<i>y</i>	<i>y</i>	<i>y</i>	<i>y</i>

Official stamp:

**FIFTH SCHEDULE**  
 [Subregulation 4(5) and 5(4)]  
**PREVENTION AND CONTROL OF INFECTIOUS DISEASES ACT 1988**

PREVENTION AND CONTROL OF INFECTIOUS DISEASES (IMPORTATION AND EXPORTATION OF HUMAN REMAINS, HUMAN TISSUES AND PATHOGENIC ORGANISMS OR SUBSTANCES) REGULATIONS 2005

**PERMIT TO IMPORT / EXPORT OF HUMAN TISSUES OR PART THEREOF AND PATHOGENIC ORGANISMS OR SUBSTANCES OR PART THEREOF**

1. Name of applicant: \_\_\_\_\_
2. Address of applicant: \_\_\_\_\_  
\_\_\_\_\_
3. Name of first user: \_\_\_\_\_
4. Name of second user: \_\_\_\_\_
5. Name of third user: \_\_\_\_\_
6. Application Reference number: \_\_\_\_\_

Details Of Consignment	Risk Group	Batch No.	Quantity

You are required to hand over this permit to the Health Officer at \_\_\_\_\_  
 (Name of entry point)

to allow entry / exit\* of the above consignment. The above consignment is allowed to be imported / exported\* subject to the terms and conditions imposed.

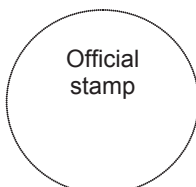
This permit is valid until: \_\_\_\_\_

- One consignment
  More than one consignment

Signature of authorized officer: \_\_\_\_\_

Name of authorized officer: \_\_\_\_\_

Date of issue: \_\_\_\_\_



\* Delete whichever is not applicable

## TERM AND CONDITIONS

1. The consignment is labeled with the statement – “**Diagnostic Specimen, Non Restricted, Packed in Compliance with Packing Instruction 650<sup>a</sup>**” OR “**Infectious Substance**”.
2. Name, address and telephone number of **consignee** and **consignor** stated clearly on the package.
3. Information from airline-carrier clearly stating: packing list / invoice format which indicates content and weight.
4. Packed in compliance with “**Basic Triple Packaging System**”.
5. All tests related to this imported product to be carried out at laboratory facilities (*bio-safety level 2 / bio-safety level 3*).
6. All packing material, containers and equipment that have been in contact or contaminated by the imported product has to be sterilized and considered as biohazard and to be disposed off accordingly.
7. The above substance (s) is to be used for laboratory purpose only and not for inoculation or exposure to domestic animals.
8. The above substance (s) is not to be moved to any premise other than stated in the applications except with the prior approval of the authorized officer.
9. The above product specimen has to be destroyed within 2 weeks of the testing.
10. The quantity of the consignment for “infectious substance” are as follows:
  - a. the maximum quantity in a container is 50ml or 50g if transported in a passenger aircraft
  - b. for cargo aircraft the maximum allowed to be transport is 4 liter or 4kg.
  - c. the primary receptacle exceeding 50ml must be packed with it’s closure facing upward and labeled (arrow) in the upward direction.
11. Infectious substance only to be transported in accordance with UN class 6.2<sup>b</sup> and (PI) 602<sup>a</sup>.
12. Diagnostic specimen to be transported only with packing that complies with (PI) 650<sup>a</sup>.
13. All those involved in the handling and movement of the above substance are required to maintain records of receipt, usage, storage and disposal.
14. For diagnostic specimen, the primary receptacle can only contain 500ml. Total volume of the receptacle including outer packaging should not be more than 4 L.

<sup>a</sup>- *World Health Organization Guidelines for the Safe Transport of Infectious Substances and Diagnostic Specimens: WHO/EMC/97.3 (1997)*

<sup>b</sup>- *Transport of Dangerous Goods. United Nations (Eleventh Edition) (1999)*



**SIXTH SCHEDULE**

[Subregulation 3(9)]

**LETTER OF UNDERTAKING**

**PREVENTION AND CONTROL OF INFECTIOUS DISEASES ACT 1988**  
PREVENTION AND CONTROL OF INFECTIOUS DISEASES (IMPORTATION AND  
EXPORTATION OF HUMAN REMAINS, HUMAN TISSUES AND PATHOGENIC ORGANISMS  
OR SUBSTANCES) REGULATIONS 2005

Ref. No. ....

Date : .....

To,

Medical Officer of Health,

.....

.....

**Letter of Undertaking To Trans-ship Human Remains or Part Thereof**

I \_\_\_\_\_ NRIC No. \_\_\_\_\_  
residing at \_\_\_\_\_, the next of kin / importer hereby  
undertake to report to the authorized officer of  
\_\_\_\_\_ without delay, the remains or part thereof

\_\_\_\_\_ *(name of deceased)*  
for the purpose of burial or cremation at

\_\_\_\_\_ *(state the address of burial / cremation)*

Yours sincerely,

Signature: \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## SEVENTH SCHEDULE

[Subregulation 6(1)]

### Category of organisms according to Risk Group

A Risk Group is defined by criteria developed by the World Health Organization based on the pathogenicity of the organism, the mode and relative ease of transmission, the degree of risk to both an individual and a community and the reversibility of the disease, through the availability of known and effective preventive measures and treatment, as follows:

- Risk Group 1: Organism, which is unlikely to cause disease in a healthy individual, plant or animal. For the purpose of these Regulations, all organisms not listed in Risk Group 2, 3 and 4 falls under Risk Group 1.
- Risk Group 2: Organism, which is known to cause disease in a healthy individual. Infectious risk is via direct contact, ingestion or inhalation. Effective treatment, preventive and control measures are readily available and can be implemented to control disease transmission. Risk of spread to a community is limited
- Risk Group 3: Organism, which may be an exotic or indigenous agent with potential in transmitting disease mainly via aerosol. Disease caused is severe and may result in death. It could present a risk if spread in the community, however effective treatment, preventive and control measures are available.
- Risk Group 4: Organism, which may be exotic agent or new agent usually able to cause life-threatening human disease. The infectious disease is readily transmissible from one individual to another. Infectious disease is transmitted via aerosol or it may not be known. Effective treatment, preventive and control measures are not available. Any newly discovered organism, which has not yet been categorized under these Regulations falls under Risk Group 4.

**Note: This is not a complete list.** For the purpose of these Regulations, any organism not listed in Risk Group 2, 3 or 4, should not be classified in Risk Group 1 until its characteristic and pathogenicity are verified in consultation with the Expert Committee on Prevention and Control of Infectious Disease, Ministry of Health, Malaysia.

## BACTERIA, CHLAMYDIA, MYCOPLASMA AND RICKETTSIA

### Risk Group 2

- *Acinetobacter baumannii* (*Acinetobacter calcoaceticus*)
- *Acinetobacter Iwoffii*
- *Actinobacillus actinomycetemcomitans*
- *Actinomadura madurae*
- *Actinomadura pelletieri*
- *Actinomyces* spp. including:
  - *Actinomyces gerencseriae*
  - *Actinomyces israelii*
  - *Actinomyces pyogenes* (*Corynebacterium pyogenes*)
- *Aeromonas hydrophila*
- *Afipia* spp
- *Agrobacterium radiobacter*
- *Alcaligenes* spp.
- *Amycolata autotrophica*
- *Archaeobacterium haemolyticum* (*Corynebacterium haemolyticum*)
- *Arizona* spp – all serotypes
- *Bacillus cereus*
- *Bacteroides* spp. including:
  - *Bacteroides fragilis*
- *Bartonella bacilliformis* (*Rochalimaea bacilliformis*)
- *Bartonella quintana* (*Rochalimaea quintana*)
- *Bartonella henselae* (*Rochalimaea henselae*)
- *Bartonella vinsonii* (*Rochalimaea vinsonii*)
- *Bordetella bronchiseptica*
- *Bordetella parapertussis*
- *Bordetella pertussis*
- *Borrelia* spp. including:
  - *Borrelia burgdorferi*
  - *Borrelia duttonii*
  - *Borrelia recurrentis*
- *Brucella ovis*
- *Burkholderia* spp. including:
  - *Burkholderia cepacia*
  - *Burkholderia mallei* (*Pseudomonas mallei*)
  - *Burkholderia pseudomallei* (*Pseudomonas pseudomallei*)
- *Campylobacter* spp. including:
  - *Campylobacter coli*
  - *Campylobacter fetus*
  - *Campylobacter jejuni*
- *Capnocytophaga* spp.
- *Cardiobacterium hominis*
- *Chlamydia pneumoniae*
- *Chlamydia psittaci* (non avian strains)

- *Chlamydia trachomatis*
- *Citrobacter* spp.
- *Clostridium* spp. including:
  - *Clostridium botulinum*
  - *Clostridium chauvoei*
  - *Clostridium haemolyticum*
  - *Clostridium histolyticum*
  - *Clostridium novyi*
  - *Clostridium perfringens*
  - *Clostridium septicum*
  - *Clostridium tetani*
- *Corynebacterium* spp. including:
  - *Corynebacterium diphtheriae*
  - *Corynebacterium minutissimum*
  - *Corynebacterium pseudotuberculosis*
  - *Corynebacterium renale*
- *Dermatophilus congolensis*
- *Edwardsiella tarda*
- *Enterobacter* spp. including:
  - *Enterobacter aerogenes / cloacae*
- *Enterococcus* spp.
- *Erysipelothrix rhusiopathiae*
- *Escherichia coli* – all enteropathogenic, enterotoxigenic, enteroinvasive and strain bearing K1 antigen, including *E. coli* O157:H7 or O103
- *Flavobacterium meningosepticum*
- *Fluoribacter bozemanae* (formerly known as *Legionella*)
- *Francisella tularensis* (Type B)
- *Fusobacterium* spp. including:
  - *Fusobacterium necrophorum*
- *Gardnerella vaginalis*
- *Haemophilus* spp. including:
  - *Haemophilus ducreyi*
  - *Haemophilus influenzae*
- *Helicobacter pylori*
- *Klebsiella* spp. including:
  - *Klebsiella pneumoniae*
  - *Klebsiella oxytoca*
- *Legionella* spp. including:
  - *Legionella pneumophila*
- *Leptospira interrogans* – all serotypes
- *Listeria ivanovii*
- *Listeria monocytogenes*
- *Moraxella catarrhalis*
- *Moraxella lacunata*
- *Morganella morganii*
- *Mycobacterium* spp. (except those listed in Risk Group 3) including:
  - *Mycobacterium africanum*

- *Mycobacterium avium / intracellulare*
- *Mycobacterium asiaticum*
- *Mycobacterium bovis* (BCG vaccine strain)
- *Mycobacterium chelonae*
- *Mycobacterium fortuitum*
- *Mycobacterium kansasii*
- *Mycobacterium leprae*
- *Mycobacterium malmoense*
- *Mycobacterium marinum*
- *Mycobacterium microti*
- *Mycobacterium paratuberculosis*
- *Mycobacterium scrofulaceum*
- *Mycobacterium simiae*
- *Mycobacterium szulgai*
- *Mycobacterium ulcerans*
- *Mycobacterium xenopi*
- *Mycoplasma caviae*
- *Mycoplasma hominis*
- *Mycoplasma pneumoniae*
- *Neisseria elongata*
- *Neisseria gonorrhoeae*
- *Neisseria meningitidis*
- *Nocardia* spp. including:
  - Nocardia asteroides*
  - Nocardia brasiliensis*
  - Nocardia farcinica*
  - Nocardia nova*
  - Nocardia otitidiscaviarum*
  - Nocardia transvalensis*
- *Pasteurella* spp. including:
  - Pasteurella multocida* (except resistant strains listed in Risk Group 3)
- *Peptostreptococcus* spp. including:
  - Peptostreptococcus anaerobius*
- *Plesiomonas shigelloides*
- *Porphyromonas* spp.
- *Prevotella* spp
- *Proteus mirabilis*
- *Proteus penneri*
- *Proteus vulgaris*
- *Providencia* spp. including:
  - Providencia alcalifaciens*
  - Providencia rettgeri*
- *Pseudomonas aeruginosa*
- *Rhodococcus equi*
- *Rochalimaea* spp. (see *Bartonella* spp.)
- *Salmonella* spp. including:
  - Salmonella arizonae*

- Salmonella choleraesuis*
- Salmonella enteritidis*
- Salmonella gallinarum-pullorum*
- Salmonella meleagridis*
- Salmonella paratyphi, A, B, C*
- Salmonella typhi*
- Salmonella typhimurium*
- *Serpulina spp.*
- *Serratia liquefaciens*
- *Serratia marcescens*
- *Shigella boydii*
- *Shigella dysenteriae* (all serotypes)
- *Shigella flexneri*
- *Shigella sonnei*
- *Sphaerophorus necrophorus*
- *Staphylococcus aureus*
- *Stenotrophomonas maltophilia*
- *Streptobacillus moniliformis*
- *Streptococcus spp.* including:
  - Streptococcus pneumoniae*
  - Streptococcus pyogenes*
  - Streptococcus suis*
- *Treponema spp.* including:
  - Treponema carateum*
  - Treponema pallidum*
  - Treponema pertenuis*
- *Ureaplasma urealyticum*
- *Vibrio spp.* including:
  - Vibrio cholerae*
  - Vibrio parahemolyticus*
  - Vibrio vulnificus*
- *Yersinia spp.* (except *Yersinia pestis*, listed in Risk Group 3)
  - Yersinia enterocolitica*
  - Yersinia pseudotuberculosis*

### Risk Group 3

- *Bacillus anthracis*
- *Brucella* spp. (except *Brucella ovis*, listed in Risk Group 2)
  - Brucella abortus*
  - Brucella canis*
  - Brucella melitensis*
  - Brucella suis*
- *Burkholderia (Pseudomonas) mallei*
- *Burkholderia (Pseudomonas) pseudomallei*
- *Chlamydia psittaci* (avian strains)
- *Coxiella burnetii*
- *Ehrlichia* spp. including:
  - Ehrlichia sennetsu (Rickettsia sennetsu)*
- *Eikenella corrodens*
- *Francisella tularensis* (Type A)
- *Mycobacterium bovis* (except BCG strain, see Risk Group 2)
- *Mycobacterium tuberculosis* (multi-drug resistant strains)
- *Pasteurella multocida* Type B - "buffalo" and other virulen strains
- *Rickettsia* spp. including:
  - Rickettsia akari*
  - Rickettsia australis*
  - Rickettsia canada*
  - Rickettsia conorii*
  - Rickettsia prowazekii*
  - Rickettsia rickettsii*
  - Rickettsia sennetsu* (see *Ehrlichia sennetsu*)
  - Rickettsia siberica*
  - Rickettsia tsutsugamushi*
  - Rickettsia typhi (Rickettsia mooseri)*
- *Yersinia pestis*

### Risk Group 4

NONE

## VIRUSES AND PRIONS

### Risk Group 2

- *Adenoviridae*
  - *Adenoviruses*, all serotypes
  
- *Arenaviridae*
  - Lymphocytic choriomeningitis virus (LCM); non-neurotropic strains; *Ippy*, *Mobala*
  - *Tacaribe virus complex*: *Ampari*, *Latino*, *Parana*, *Pichinde*, *Tacaribe*, *Tamiami*
  - *Virus Hepatitis delta*
  
- *Astroviridae*
  - *Human astrovirus*
  
- *Bunyaviridae*
  - Genus: *Bunyavirus*
    - *Bunyamwera virus*, *California encephalitis group*, including *LaCrosse virus*
  - Genus: *Phlebovirus*
    - all species, except *Rift Valley fever virus* (see Risk Group 3), includes :
    - *Rift Valley fever virus strains MP-12*, *Sandfly fever virus*, *Toscana*, *Uukuvirus*
  - Genus: *Nairovirus*
    - *Hazara virus*, *Dugbe virus*
  
- *Caliciviridae*
  - all viruses including *Norwalk virus*, *Sapovirus* and *Hepatitis E virus*
  
- *Coronaviridae*
  - Human coronavirus*, (serotype 229E and OC43), except *SARS coronavirus*, (see Risk Group 3)
  
- *Flaviviridae*
  - Genus: *Flavivirus* (Group B Arbovirus)
    - *Dengue virus serotypes 1, 2, 3, and 4*
    - *Yellow fever virus vaccine strain 17D*
  - Genus: *Hepacivirus*
    - *Hepatitis C virus*
  
- *Hepadnaviridae*
  - *Hepatitis B virus*
  
- *Herpesviridae*



all Herpesviruses, except *Herpesvirus simiae* (Herpes B, see Risk Group 4):

- *Cytomegalovirus*
- *Virus Epstein Barr*
- *Herpes simplex* type 1 and 2
- Herpes varisela-zoster
- Human herpesvirus type 6 (HHV 6)
- Human herpesvirus type 7 (HHV 7)
- Human herpesvirus type 8 (HHV 8)

-- *Flaviviridae* - Group B Arbovirus

Genus: *Flavivirus*

- *Japanese encephalitis virus*, yellow fever virus (wild type), *West Nile fever*, *St. Louis encephalitis virus*, *Murray Valley encephalitis virus*, *Ntayavirus group: Israel turkey Meningitis virus*
- Modoc virus group: Sal Vieja viirus, San Perlita virus*
- Tentative species: Rocio, Spondweni, Wesselsbron*
- Tick-borne encephalitis virus group: Hanzalova, Absettarov, Hypr, Kumlinge, Louping Ill, Negishi, Powassan*

-- *Orthomyxoviridae*

- *Influenza virus type A, B and C* except *Influenza A, H5N1*
- other *tick-borne orthomyxovirus* such as *Dhori* and *Thogoto*

-- *Papillomaviridae*

Genus: *Papillomavirus*

All Human *papilloma* viruses

-- *Paramyxoviridae*

Genus: *Paramyxovirus*

- **all isolates including Human *parainfluenza* viruses types 1, 2, 3 and 4, and *Newcastle disease virus***

Genus: *Pneumovirus*

- all isolates including *Respiratory Syncytial virus*

Genus: *Morbillivirus*

- **all isolates including *measles virus***

Genus: *Rubulavirus*

- *Mumps virus*

Genus: *Metapneumovirus*

- *Human metapneumovirus*

-- *Parvoviridae*

Genus: *Parvovirus*

- all isolates including *Human parvovirus (B19)*

-- *Picornaviridae*

Genus: *Aphthovirus*

- Genus: *Cardiovirus*
- Genus: *Enterovirus*
  - *Coxsackie virus* types A and B
  - *Echoviruses*
  - *Polioviruses*
  - *Enterovirus serotypes* 68 – 71
- Genus: *Rhinoviruses*
- Genus: *Hepatovirus*
  - *Hepatitis A*
- *Polyomaviridae*
  - all isolates including *BK* and *JC viruses*, *Simian virus 40 (SV 40)*
- *Poxviridae*
  - **all type, except *Monkeypox virus* and restricted *poksvirus* such as *Alastrim*, *Smallpox*, and *Whitepox* (see *Risk Group 3* and *4*); includes viruses:**
  - ***Buffalopox*, *Cowpox*, nodule *Milker's*, *Molluscum contagiosum*, *Orf*, *Vaccinia*, *Yabapox* and *Tanapox*.**
- *Reoviridae*
  - Genus: *Coltivirus*
    - all type including *Colorado tick fever virus*
  - Genus: *Rotavirus*
    - all Human *rotaviruses*
  - Genus: all isolates of *Orthoreovirus* and *Orbivirus*
- *Rhabdoviridae*
  - Genus: *Lyssavirus*
    - *Rabies virus* “fixed” virus / vaccine strains)
  - Genus: *Vesiculovirus*
    - *stomatitis Vesicular virus* – laboratory adapted strains including *VSV-Indiana*, *San Juan* and *Glasgow*, *Piry*, *Chandipura*
- *Togaviridae*
  - Genus: *Alphavirus* - Group A arboviruses
    - *Bebaru*, *Barmah forest virus*, *Chikungunya*, *O'nyong-nyong*, *Ross river virus*, *Semliki forest virus*, *Sindbis*, *Venezuelan equine encephalomyelitis* vaccine strains TC-83 only.
  - Genus: *Rubivirus*
    - *Rubella virus*

### Risk Group 3

- *Arenaviridae*
  - *Flexal*, *Mopeia*
  - *Lymphocytic coriomeningitis virus (LCM)* (neurotropic strains)

- *Bunyaviridae*
  - Genus: *Hantaviruses*
    - *Hantaan virus (Korean haemorrhagic fever), Seoul, Sin Nombre virus, Belgrade, Puumala* and unclassified Bunyaviruses
  - Genus: *Nairovirus*
    - *Bhanja*
  - Genus: *Phlebovirus*
    - *Rift Valley fever virus*
- *Coronaviridae*
  - SARS Coronavirus
- *Paramyxoviruses*
  - Genus: *Henipah*
    - *Hendra (Equine morbillivirus), Nipah virus, Nipah-like virus*
- *Orthomyxoviridae*
  - Influenza A, H5N1.
- *Poxviridae*
  - *Monkeypox virus*
- *Prions*
  - Transmissible *spongiform encephalopathies* (TME) agents: *Bovine spongiform encephalopathy (BSE), Creutzfeldt-Jacob disease (CJD), Variant Creutzfeldt-Jacob disease, Fatal familial insomnia, Gerstmann-Straussler-Scheinker syndrome* and *Kuru*
- *Togaviridae* – Group A *arboviruses*
  - Genus: *Alphavirus*
    - *Semliki Forest virus, Getah, Mayaro, Middleburg, Ndumu*
    - Eastern equine encephalomyelitis, *Western equine encephalomyelitis, Venezuelan equine encephalomyelitis virus* (except the vaccine strains TC-83), *Sagiyama, Tonate, Mucambo*
- *Retroviridae*
  - Human *immunodeficiency virus* (HIV) types 1 and 2
  - Human *T cell lymphotropic virus* (HTLV and 2))
  - *Simian immunodeficiency virus* (SIV)
- *Rhabdoviridae*
  - *Rabies virus (virus Street)*
- Unclassified viruses
  - Chronic infectious neuropathic agents (CHINAs)

## Risk Group 4

- *Arenaviridae*
  - Genus: *Arenaviruses*
    - *Lassa, Guanarito, Junin, Machupo and Sabia*
- *Bunyaviruidae*
  - Genus: *Nairovirus*
    - *Crimean-Congo hemorrhagic fever virus*
- *Filoviridae*
  - all *Ebola virus* and *Marburg virus*
- *Flaviridae (Togaviruses)* – Group B arbovirus
  - *Tick-borne encephalitis virus complex including Central European encephalitis, Kyasanur Forest disease, Omsk hemorrhagic fever, and Russian spring-summer encephalitis viruses*
- *Herpesviruses (alpha)*
  - *Herpesvirus simiae (Herpes B or Monkey B virus)*
- *Poxviridae*
  - *Variola major, variola minor, whitepox, alastrim* (Importation of organisms including *alastrim, smallpox (variola)* and *whitepox* is strictly prohibited). All activities, including storage *variola* and *whitepox*, are restricted to a single facility (*World Health Organization Collaborating Center for Smallpox Research, Centers for Disease Control and Prevention, Atlanta, Georgia, United States of America*).
- Hemorrhagic fever agents and viruses as yet undefined.

## PARASITE

### Risk Group 2

- *Acanthamoeba* spp
- *Ancylostoma* human hookworms including:
  - *Ancylostoma duodenale*, *Ancylostoma. ceylanicum*
- *Angiostrongylus* spp.
- *Anisakis simplex*
- *Ascaris* spp. including:
  - *Ascaris lumbricoides*, *Ascaris suum*
- *Babesia* spp. including:
  - *Babesia divergens*, *Babesia microti*
- *Balantidium coli*
- *Blastocystis hominis*
- *Brugia filaria* worms including:
  - *Brugia malayi*, *Brugia timori*
- *Capillaria* spp.
- *Coccidia*
- *Contracaecum osculatum*
- *Cryptosporidium* spp. including:
  - *Cryptosporidium parvum*
- *Cyclospora* spp including:
  - *Cyclospora cayetanensis*
- *Cysticercus cellulosae* (hydatid cyst, larva of *Taenia solium*)
- *Dicrocoelium dendriticum*
- *Dientamoeba fragilis*
- *Dracunculus medinensis*
- *Entamoeba histolytica*
- *Enterobius vermicularis*
- *Enterocytozoon bieneusi*
- *Fasciola gigantica*
- *Fasciola hepatica*,
- *Fasciolopsis buski*
- *Giardia* spp. including:
  - *Giardia lamblia* (*Giardia intestinalis*)
- *Heterophyes* spp.
- *Hymenolepis diminuta*
- *Hymenolepis nana*
- *Isospora belli*
- *Leishmania* spp. (mammalian) except *Leishmania braziliensis* dan *Leishmania donovani* (see Risk Group 3) including species:
  - *Leishmania ethiopia*, *Leishmania major*, *Leishmania mexicana*,  
*Leishmania peruvania*, *Leishmania tropica*
- *Loa loa* filaria worms
- *Mansonella* spp. such as
  - *Mansonella ozzardi*, *Mansonella perstans*, *Mansonella streptocerca*

- *Metagonimus* spp.
- *Microsporidium* spp.
- *Naegleria* spp. except *Naegleria fowleri*, (see Risk Group 3)
- *Necator* human hookworms including:
  - *Necator americanus*
- *Onchocerca* filaria worms including, *Onchocerca volvulus*
- *Opisthorchis felineus*
- *Opisthorchis sinensis* (*Clonorchis sinensis*)
- *Opisthorchis viverrini* (*Clonorchis viverrini*)
- *Paragonimus* spp including:
  - *Paragonimus westermani*
- *Plasmodium* spp. (human and simian) including:
  - *Plasmodium cynomologi*, *Plasmodium falciparum*, *Plasmodium malariae*, *Plasmodium ovale*, *Plasmodium vivax*
- *Sarcocystis sui hominis*
- *Schistosoma* spp. including:
  - *Schistosoma haematobium*, *Schistosoma intercalatum*, *Schistosoma japonicum*, *Schistosoma mansoni*, *Schistosoma mekongi*
- *Strongyloides* spp. including:
  - *Strongyloides stercoralis*
- *Taenia saginata*
- *Taenia solium*
- *Toxocara* spp. including:
  - *Toxocara canis*
- *Toxoplasma* spp. including:
  - *Toxoplasma gondii*
- *Trichinella nativa*
- *Trichinella nelsoni*
- *Trichinella pseudospiralis*
- *Trichinella spiralis*
- *Trichomonas vaginalis*
- *Trichostrongylus* spp. including, *Trichostrongylus orientalis*
- *Trichuris trichiura*
- *Trypanosoma brucei* sub-spp. except *Trypanosoma brucei rhodesiense* and *Trypanosoma cruzi* (see Risk Group 3) including *Trypanosoma brucei gambiense*
- *Wuchereria bancrofti* filaria worms

### Risk Group 3

- *Echinococcus* spp. such as:
  - *Echinococcus granulosus*, *Echinococcus multilocularis*, *Echinococcus vogeli*
- *Leishmania braziliensis*,
- *Leishmania donovani*
- *Naegleria fowleri*

- *Trypanosoma brucei rhodesiense*
- *Trypanosoma cruzi*

**Risk Group 4**

NONE

## FUNGI

### Risk Group 2

- *Asperigillus fumigatus*
- *Asperigillus flavus*
- *Candida albicans*
- *Candida tropicalis*
- *Cryptococcus neoformans var neoformans (Filobasidiella neoformans var neoformans)*
- *Cryptococcus neoformans var gattii (Filobasidiella bacillispora)*
- *Dactylaria galopava (Ochroconis gallopavum)*
- *Emmonsia parva var parva*
- *Emmonsia parva var crescens*
- *Epidermophyton spp.* Including:
  - *Epidermophyton floccosum*
- *Exophiala (Wangiella) dermatitidis*
- *Fonsecaea compacta*
- *Fonsecaea pedrosoi*
- *Madurella grisea*
- *Madurella mycetomatis*
- *Microsporum spp*
- *Neotestudina rosatii*
- *Penicillium marneffeii*
- *Scedosporium apiospermum (Pseudallescheria boydii)*
- *Scedosporium proliferans (inflatum)*
- *Sporothrix schenckii*
- *Trichophyton spp.* including:
  - *Trichophyton rubrum*

### Risk Group 3

- *Blastomyces dermatitidis (Ajellomyces dermatitidis)*
- *Cladophialophora bantiana (Cladosporium bantianum, Xylohypha bantiana)*
- *Cladosporium trichoides*
- *Coccidioides immitis*
- *Histoplasma capsulatum spp.* including:
  - *Histoplasma capsulatum var capsulatum*
  - *Histoplasma capsulatum var farcinimosum*
  - *Histoplasma capsulatum var. duboisii*
- *Paracoccidioides braziliensis*

### Risk Group 4

NONE



**EIGHTH SCHEDULE**  
(Subregulation 8(1))

**FEE SCHEDULE**

	Items	Fees
1.	Permit to import / export human remains or parts thereof	RM 100.00
2.	Permit to import / export human tissues or parts thereof	RM 500.00
3.	Permit import / export pathogenic organisms or substances or parts thereof	
	(a) Risk Group 1	RM 500.00
	(b) Risk Group 2	RM 500.00
	(c) Risk Group 3	RM 3000.00
	(d) Risk Group 4	RM 4000.00

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DATO' DR. CHUA SOI LEK  
*Minister of Health*