### Step 2: IATA Job Aid

Use the decision tree below to help you determine the classification for your substance if shipping by air. Use the DOT job aid for packages sent by motor vehicle courier/ground.



Substance for Classification

Not subject to the provisions of IATA Dangerous Goods Regulations (DGR) unless meeting the criteria of another class or division (e.g., formalin)

Have any pathogens been neutralized/inactivated?

Is it known not to contain infectious substances?

Are all micro-organisms present non-pathogenic for humans/animals?

Is it a dried blood spot/fecal occult blood?

Is it an environmental sample, e.g. food and water that is not considered to pose a significant health risk?

Is it for transplant/transfusion?

No to all to all

Yes to any

Does it meet the definition of a Category A substance?

Yes

No

UN 2814 Infectious substance, affecting humans; or UN 2900 Infectious substance, affecting animals (as appropriate)

Is it a patient specimen for which there is only a minimal likelihood that pathogens are present?

No

Subject to “exempt human specimen” or “exempt animal specimen” provisions

Yes

UN 3373 Biological substance, Category B

##### IATA Category A Indicative List

The following list is not exhaustive. Infectious substances, including new or emerging pathogens, which do not appear in the list, but which meet the same criteria must be assigned to Category A. In addition, if there is doubt as to whether a substance meets the criteria it must be included in Category A.

**UN2814 Infectious substance,**

**affecting humans**

*Bacillus anthracis (cultures only)*

*Brucella abortus (cultures only)*

*Brucella melitensis (cultures only)*

*Brucella suis (cultures only)*

*Burkholderia mallei – Pseudomonas mallei – Glanders (cultures only)*

*Burkholderia pseudomallei – Pseudomonas pseudomallei (cultures only)*

*Chlamydia psittaci – avian strains (cultures only)*

*Clostridium botulinum (cultures only)*

*Coccidioides immitis (cultures only)*

*Coxiella burnetii (cultures only)*

*Crimean-Congo hemorrhagic fever virus*

*Dengue virus (cultures only)*

*Eastern equine encephalitis virus (cultures only)*

*Escherichia coli, verotoxigenic (cultures only)*

*Ebola virus*

*Flexal virus*

*Francisella tularensis (cultures only)*

*Guanarito virus*

*Hantaan virus*

*Hantavirus causing hemorrhagic fever with renal syndrome*

*Hendra virus*

*Hepatitis B virus (cultures only)*

*Herpes B virus (cultures only)*

*Human immunodeficiency virus (cultures only)*

*Highly pathogenic avian influenza virus (cultures only)*

*Japanese Encephalitis virus (cultures only)*

*Junin virus*

*Kyasanur Forest disease virus*

*Lassa virus*

*Machupo virus*

*Marburg virus*

*Monkeypox virus*

*Mycobacterium tuberculosis (cultures only)*

*Nipah virus*

Omsk hemorrhagic fever virus

*Poliovirus* (cultures only)

Rabies virus (cultures only)

*Rickettsia prowazekii* (cultures only)

*Rickettsia rickettsii* (cultures only)

Rift Valley fever virus (cultures only)

*Russian spring-summer encephalitis virus* (cultures only)

Sabia virus

*Shigella dysenteriae type 1* (cultures only)

*Tick-borne encephalitis virus* (cultures only)

Variola virus

Venezuelan equine encephalitis virus (cultures only)

*West Nile virus* (cultures only)

*Yellow fever virus* (cultures only)

*Yersinia pestis* (cultures only)

**UN2814 Infectious substance,**

**affecting humans**

*Bacillus anthracis (cultures only)*

*Brucella abortus (cultures only)*

*Brucella melitensis (cultures only)*

*Brucella suis (cultures only)*

*Burkholderia mallei – Pseudomonas mallei – Glanders (cultures only)*

*Burkholderia pseudomallei – Pseudomonas pseudomallei (cultures only)*

*Chlamydia psittaci – avian strains (cultures only)*

*Clostridium botulinum (cultures only)*

*Coccidioides immitis (cultures only)*

*Coxiella burnetii (cultures only)*

*Crimean-Congo hemorrhagic fever virus Dengue virus (cultures only)*

*Eastern equine encephalitis virus (cultures only)*

*Escherichia coli, verotoxigenic (cultures only)*

*Ebola virus*

*Flexal virus*

*Francisella tularensis (cultures only)*

*Guanarito virus*

*Hantaan virus*

*Hantavirus causing hemorrhagic fever with renal syndrome*

*Hendra virus*

*Herpes B virus (cultures only)*

*Human immunodeficiency virus (cultures only)*

*Highly pathogenic avian influenza virus (cultures only)*

*Japanese Encephalitis virus (cultures only)*

*Junin virus*

*Kyasanur Forest disease virus*

*Lassa virus*

*Machupo virus*

*Marburg virus*

*Monkeypox virus*

*Mycobacterium tuberculosis (cultures only)*

*Nipah virus*

Omsk hemorrhagic fever virus

*Poliovirus* (cultures only)

Rabies and other lyssaviruses (cultures only)

*Rickettsia prowazekii* (cultures only)

*Rickettsia rickettsii* (cultures only)

Rift Valley fever virus (cultures only)

*Russian spring-summer encephalitis virus* (cultures only)

Sabia virus

*Shigella dysenteriae type 1* (cultures only)

Tick-borne encephalitis virus(cultures only)

Variola virus

Venezuelan equine encephalitis virus (cultures only)

Vesicular stomatitis virus (cultures only)

*West Nile virus* (cultures only)

*Yellow fever virus* (cultures only)

*Yersinia pestis* (cultures only)

**UN2900 Infectious substance, affecting animals**

African swine fever virus (cultures only)

Avian paramyxovirus Type 1 – Velogenic Newcastle disease virus (cultures only)

Classical swine fever virus (cultures only)

Foot and mouth disease virus (cultures only)

Lumpy skin disease virus (cultures only)

*Mycoplasma mycoides* – Contagious bovine pleuropneumonia (cultures only)

Peste des petits ruminant’s virus (cultures only)

Rinderpest virus (cultures only)

Sheep-pox virus (cultures only)

Goatpox virus (cultures only)

Swine vesicular disease virus (cultures only)

Vesicular stomatitis virus (cultures only)

This job aid is a component of the free, on-demand CDC training course “Packing and Shipping Dangerous Goods: What the Laboratory Staff Must Know.” Find the course at <https://www.cdc.gov/labtraining>.