## 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

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?


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

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?


Subject to "exempt human specimen" or "exempt animal specimen" provisions

UN 3373 Biological substance, Category B

## Category A Infectious Substance 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
Mpox 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)

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://reach.cdc.gov/training.

