

## Non-Sacrificial Panel (NSP) Sampling and Packaging

### SAMPLING KIT MATERIAL

NSP does not require any specialized instruments, centrifuges, pipettes or vials. Inotiv supplies the following materials:

Sampling material included in this kit:

- Fur swabs ●
- Wet swabs with transport medium (Portagerm™) ●
- Flocked oral swabs ●
- DBS cards ●
- 2ml / 5ml tubes for fecal pellets ●
- Labelled biohazard bags

**NOTE:** All material provided are sterile except DBS cards which can be sterilized by autoclave or fume chamber.

Sampling materials not included:

- Sterile needles
- Sterile forceps
- Scissors





## FUR SWAB SAMPLING AND PACKING

- A Label all vials with sample ID → Figure 1
- B Place animal on wire bar lid and gently restrain
- C Rub the swab against the direction of its coat → Figures 2 and 3
- D Swab the inguinal region, back, head, over the ears and the neck → Figures 2, 3 and 4

### POOLING OPTIONS:

Up to 5 samples can be combined into one single pooled sample using a 5ml tube.

- E Place swab tip into sample ID labeled fur sterile tube; 2ml tube for a single sample or 5ml tube for pooled samples
- F Cut the swab above the cotton swab tip with sterile scissors, allowing the tip to fall into the tube → Figures 5 and 6
- G After securely closing the tube, place into a biohazard BAG  and seal the bag.



Figure 1



Figure 2



Figure 3



Figure 4

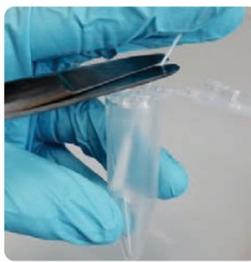


Figure 5



Figure 6

**NOTE:** Ship the same day at room temperature. If not, please store at room temperature up to one week or at +4°C for a maximum of one month.



## FLOCKED ORAL SWABS SAMPLING AND PACKING (FOR PCR ONLY)

- A Label all vials with sample ID → Figure 1
- B Scruff the animal with one hand to prevent the head from moving side to side → Figure 7
- C Insert the swab at the corner of the mouth so the animal will open it
- D Slowly rotate the swab around the animals mouth to collect the sample → Figure 7

### POOLING OPTIONS:

Up to 5 samples can be combined into one single pooled sample using 5ml tube.

- E Place swab tip into sample ID labeled tube; 2ml tube for a single sample or 5ml tube for pooled samples.
- F Cut the swab above the cotton swab tip with sterile scissors, allowing the tip to fall into the tube → Figures 5 and 6
- G After securely closing the tube, place into a biohazard BAG  and seal the bag.

**NOTE:** Ship the same day at room temperature. If not, please store at room temperature up to one week or at +4°C for a maximum of one month.



Figure 7



## ● PORTAGERM™ SWAB\* SAMPLING AND PACKING (FOR CULTURE ONLY)

- A Label all vials with sample ID → Figure 1
- B Scruff the animal with one hand to prevent the head from moving side to side → Figure 7
- C Insert the swab at the corner of the mouth so the animal will open it
- D Slowly rotate the swab around the animal's mouth to collect the sample → Figure 7
- E Place swab tip into sample ID labeled Portagerm™ tube → Figures 8 and 9
- E After securely closing the tube, place it into a BAG ● and seal the bag.

### POOLING OPTIONS:

Wet oral swabs cannot be pooled.

\* Use the wet oral swab (Portagerm™) for culture detection only.



Figure 7



Figure 8



Figure 9

**NOTE:** Ship the same day at room temperature. If not, please store at +4°C up to 10 days.

Please store all sampling materials at room temperature until shipment



## ● DRIED BLOOD SPOT SAMPLING AND PACKING

- A Label all DBS cards with sample ID → Figure 10
- B Place animal on a safe and suitable surface → Figure 11
- C Using a needle nick/puncture the lateral vein → Figure 11
- D Blot 2 blood drops directly onto the circle printed on the card → Figure 12  
If the blood flow stops or slows, then gently rub the tail in a downwards motion
- E The drop size needs to be at least 0.7 mm in diameter. Please ensure that the drops do not exceed the circles as if different samples coalesce the samples cannot be tested → Figure 12
- F Allow the card to air dry for a minimum of 1 minute

### POOLING OPTIONS:

We do not recommend pooling DBS and serology samples due to the potential non-specific/idiopathic interactions between samples, causing false negative/positive reporting.

**NOTE:** Other blood collection techniques may be used. The DBS cards can be fumigated or autoclaved.

- G Secure the sample ID labeled card using the tab → Figure 13
- H Check to ensure that the BAG ● contains a desiccant pack → Figure 13
- I Place all DBS cards into the Biohazard bag and securely seal → Figure 13



Figure 10

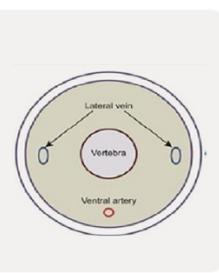


Figure 11

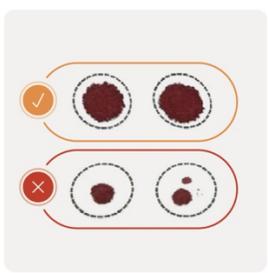


Figure 12



Figure 13



## FECAL SAMPLES COLLECTION AND PACKING

- A Single sample: collect a minimum of 4 fecal pellets for mice and a minimum of 2 for rats.
- B Make sure that all the vials are correctly labeled with the sample ID.
- C Place fecal pellets into labeled tubes checking all the tubes are securely closed.
- D Place the vials in the biohazard BAG  and seal it.

### POOLING OPTIONS:

- *Mouse pooled samples* (up to 10 cages): collect 2 fecal pellets for mice from each cage using sterile forceps and place them into a 2ml sterile tube.
- *Rat pooled samples* (up to 5 cages): collect 2 fecal pellets for rat from each cage using sterile forceps and place each pellet into a sterile 2ml tube.

**NOTE:** Ship the same day at room temperature in sealed tubes. If not, please store fecal samples at room temperature up to one week; if you need to store them more than a week please put at +4°C or -20°C for more than 2 weeks.

## BOXING SAMPLES

- A Place all the bags containing the sample materials into the large biohazard bag included in the kit.
- B Place large biohazard bag into the box.
- C Place the completed submission form with the reference number into the box.
- D Make sure that the transport box contains sufficient padding material to prevent sample movement.
- E Securely close the box with adhesive tape and ensure that the UN3373 label remains visible.
- F Attach the shipping documents to the box.
- G Ship the box at room temperature.

## GENERAL SHIPMENT INSTRUCTIONS

If the external temperature is above 25°C we recommend shipping the sampling material in a polystyrene transport box containing cold packs (do not freeze).

## TO ORGANIZE PICK UP AND SHIPMENT OF THE SAMPLES

If you need help shipping the samples please send an email or call our Inotiv laboratory (details listed below), informing us of the number of transportation boxes and preferred pick up date. You will receive via email all labels and confirmation of your pick up day.



We hope these instructions have been helpful in the process of collecting samples.  
Please contact us if you have any questions.

**UK: Customer Services Dodgeford Lane, Belton Loughborough**

Leicestershire, LE12 9TE United Kingdom

Tel: +44 1530 222123

Email: [RMS-UK-Technical-services@inotivco.com](mailto:RMS-UK-Technical-services@inotivco.com)

**EU Continent: Health Monitoring Lab**

Via Nuova Valassina, 78

Uscita Desio centro, a fianco Linea8 20832 Desio (MB)

Italy

Tel: +39 0362 1800371

Email: [healthmonitorlab@inotivco.com](mailto:healthmonitorlab@inotivco.com)