

## Diet and Health Study 2015

### *Protocol for 24-hour urine collection*

#### 1. Background & aims

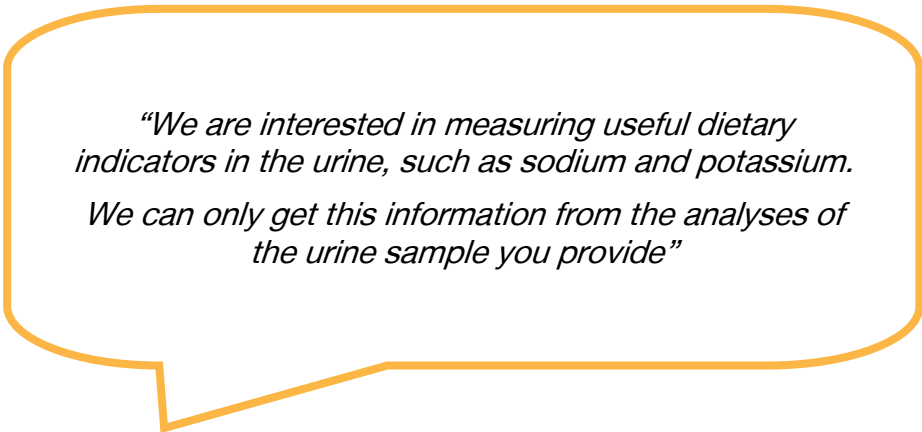
Dietary sodium (salt) consumption has been shown to contribute to high blood pressure which is a major risk factor in the development of cardiovascular disease. There is documented evidence that on average Western diets contain too much sodium (salt) and too little potassium. The Foods Standards Agency (FSA) has estimated that 75% of dietary salt intake comes from processed foods.

In May 2003 The Scientific Advisory Committee on Nutrition (SACN) published its report on Salt and Health. This recommended that salt levels should be reduced to a daily average of 6g per day for adults and children aged 11 and older.

It is not possible to obtain accurate estimates of salt intake from food intake information such as food diaries, mainly because the amount of salt added to food in cooking or at the table is not captured. Therefore, the best way to estimate salt intake is to analyse its presence in the urine using a complete 24-hour collection.

We are also measuring potassium (a marker of fruit and vegetable intake).

We do not want to draw too much attention to the fact that our main interest is sodium excretion, a measure of salt intake, because this may prompt participants to eat less salt than usual during the collection period. Therefore, we would like fieldworkers to repeat the following information, provided in the leaflet for participants:



*"We are interested in measuring useful dietary indicators in the urine, such as sodium and potassium. We can only get this information from the analyses of the urine sample you provide"*

## 2. Eligibility for 24-hour urine collection

### **Men and women aged 19-64 years**

- **Including** participants who refuse to take PABA (*para*-aminobenzoic acid) tablets but are willing to carry out the 24-hour urine collection.
- **Including** participants who CANNOT take PABA (e.g. those allergic to hair dye, sunscreen or supplements or those on sulphonamides) but are willing to carry out the 24-hour urine collection without PABA.
- **Excluding** participants who are pregnant or breastfeeding

### *Before the visit*

The participant will have been contacted by phone and agreed to be visited by a fieldworker. The participant is sent an advance letter with an FAQ leaflet explaining the study and the fieldworker follows up with a phone call to make an appointment. The participant may then request an appointment letter.

### *First visit*

At the first visit, the fieldworker will explain the purpose and procedures of the urine collection in more detail, encourage and answer questions, check eligibility, provide the participant with detailed leaflets about PABA and the urine collection instructions, obtain written consent and deliver the equipment to the participant.

The fieldworker will randomly assign a day of the week to the participant when they are to carry out the 24-hour collection. This is done in order to ensure that sufficient samples are collected on weekdays, as our diet differs between weekdays and weekends. If a participant cannot collect on this day, the fieldworker must choose another day that is suitable for the participant and the fieldworker.

At this visit the fieldworker will also make arrangements for the second visit to weigh, sub-sample and post the urine (the same day or the day after 24-hour collection) to MRC HNR for analysis.

### *Second visit*

This will take place on the day or one day after the 24-hour urine collection. The fieldworker will accurately weigh the sample at least twice and record the weight in the despatch note. The fieldworker will also thoroughly mix and collect two aliquots of the 24-hour urine sample and dispose of the remaining urine down the participant's toilet and equipment in the household waste. The fieldworker will ensure that the samples are labelled correctly, and prepare packaging and despatch of the samples. The fieldworker will also check that the participant completed the 24-hour urine collection sheet (Annex 10) - in particular checking start and end time, any missed collections or missed PABA tablets, certain medication and dietary supplements/vitamins taken during the collection period. Finally, participants will be handed a £15 gift card for their participation in this study.

## 3. Participant documents

The following documents will be provided for the study:

Participant Documents
FSA NI reassurance Letter (optional)
Advance Letter
FAQ leaflet
Fieldworker appointment letter (optional)
24-hour urine collection leaflet
PABA leaflet
Consent form
24-hour urine collection sheet

### *Appointment letter (optional)*

If the participant requests for an appointment letter, the fieldworker must contact Ulster University as soon as possible in order to collect the letter. The fieldworker must then date and sign the letter and write the appointment details (i.e. the date and time of visit 1 and the participant's name). The fieldworker will then post this to the participant.

### *Consent form (carbonised)*

The consent form will be signed by the participant and the fieldworker to indicate that the participant is willing to take part and to take PABA as part of the 24-hour urine collection. The consent form will be carbonised so that the participant can retain one copy and a second copy can be returned to Ulster University who will then send this to NatCen.

### *24-hour urine collection leaflet*

The 24-hour urine collection leaflet provides the participant with details about how to collect the 24-hour sample.

### *PABA information leaflet*

The PABA information leaflet gives information about the PABA tablets. Each participant will be asked to take three tablets during the 24-hour collection period and to record details about when these were taken. PABA levels will be measured in the urine sample to assess the completeness of the 24-hour collection.

## *24-hour urine collection sheet*

The 24-hour urine collection sheet will be completed by the participant, checked by the fieldworker and sent to HNR with the samples. The participant will be asked to choose a start time that will work for both days.

The fieldworker will fill in the participant details and the assigned date for the 24-hour collection, and remind the participant about when to take the PABA tablets. Ideally, the tablets should be taken at evenly spaced intervals during the collection period:

- **Start day:** get up and go to the toilet, flush it away and note the time. This will be the 24-hour urine start time. (DO NOT COLLECT THIS URINE)
- Take the first PABA tablet and note the time
- Collect all urine into the equipment provided
- Take the second PABA tablet 4-6 hours after taking the first tablet
- Continue to collect all urine into the equipment provided
- Take the third tablet 4-6 hours after the second tablet
- **Next day:** get up and go to the toilet and collect the urine sample into the equipment provided. Note the time. This will be the end time of the urine collection and should be EXACTLY 24-hours after the start time. (COLLECT THIS URINE)

The fieldworker will randomly assign a day of the week to the participant when they are to carry out the 24-hour collection. This is to ensure that sufficient samples are collected on weekdays, as our diet differs between weekdays and weekends.

The participant will be asked to complete the 24-hour urine collection sheet during the collection period. Details needed are: date and time of 24-hour sample and date and time PABA tablets are taken. The date and time of any missed urine collections and the names of dietary supplements/vitamins and certain medication taken during this period will also be recorded.

## 4. The first visit: introducing the 24-hour urine collection

### *Introduction*

If participants are eligible the fieldworker will explain the purpose of the 24-hour urine collection and the use of PABA, explain the instructions for collection in detail, obtain consent and provide participants with written instructions and equipment needed for the study. This will all be detailed and recorded in the ICF's.

The fieldworker will also answer any questions the participant may have. If the participant is willing to take part, they will be asked to initial the appropriate boxes on the consent form.

## *PABA exclusion criteria*

Participants are still eligible if they do not want to take PABA but are willing to carry out the 24-hour urine collection. The following participants cannot take PABA, but they are still eligible to take part if they are willing to carry out the 24-hour urine collection:

- those who are allergic to dietary supplements/vitamins, hair dyes or sunscreen lotions
- those who are lactose intolerant
- those who take sulphonamide antibiotics during the 24-hour urine collection

## *Informed consent*

The participant should initial the consent form to indicate that they have read the 24-hour urine leaflet and PABA leaflet and would like to take part in the study. Participants will be encouraged to take PABA if they can do so. Participants are still eligible if they do not want to take PABA but are willing to carry out the 24-hour urine collection. The fieldworker will go through the instructions as per protocol except for PABA.

All participants will be instructed on the completion of the urine collection sheet.

## *Equipment*

At the first fieldworker visit the following equipment will be provided:

- 5 litre capacity screw cap container to collect urine.
- *Optional:* 2 litre capacity screw cap container for urine
- Funnel
- Jug
- PABA tablets
- Carrier bags for transporting the equipment

## *Procedures*

The fieldworker will randomly assign a day of the week to the participant when they are to carry out the 24-hour collection. The allocation will be random to ensure that sufficient samples are collected on weekdays, as our diet differs between weekdays and weekends

The allocated date must be suitable to the participant(s) and fieldworker; female participants must not collect the sample on a period day.

## *Sample collection*

The requirement is to collect all urine which enters the bladder over 24-hours. Therefore, the 24-hour collection period should start immediately after the first urine void of day 1 is disposed down the toilet. From this moment the bladder is starting to fill with urine again so this is recorded as the START time. The 24-hour period will include the first void at the same time on the following day. This void on the second day denotes the END time. This should be EXACTLY 24 hours after the start time. For example, if the participant starts the 24-hour collection after the first void on a Tuesday at 7am, they must stop the collection after their first void on Wednesday which should also be at 7am.

During the period of collection, participants will be asked to pass all urine into the plastic jug and then pour it in the 5 litre container using the funnel provided.

It is extremely important that all urine produced over the 24-hour period is included in the combined collection sample. During this period, participants will be asked to pass stools after passing urine, so that urine is not lost. When participants are away from home they will have the option to take a 2 litre collection container, the jug and funnel with them instead of the larger container. However, on return anything collected into the 2 litre container must be transferred to the main 5 litre container.

Females will be instructed to collect urine on non-period days.

### ***PABA (Para-aminobenzoic acid)***

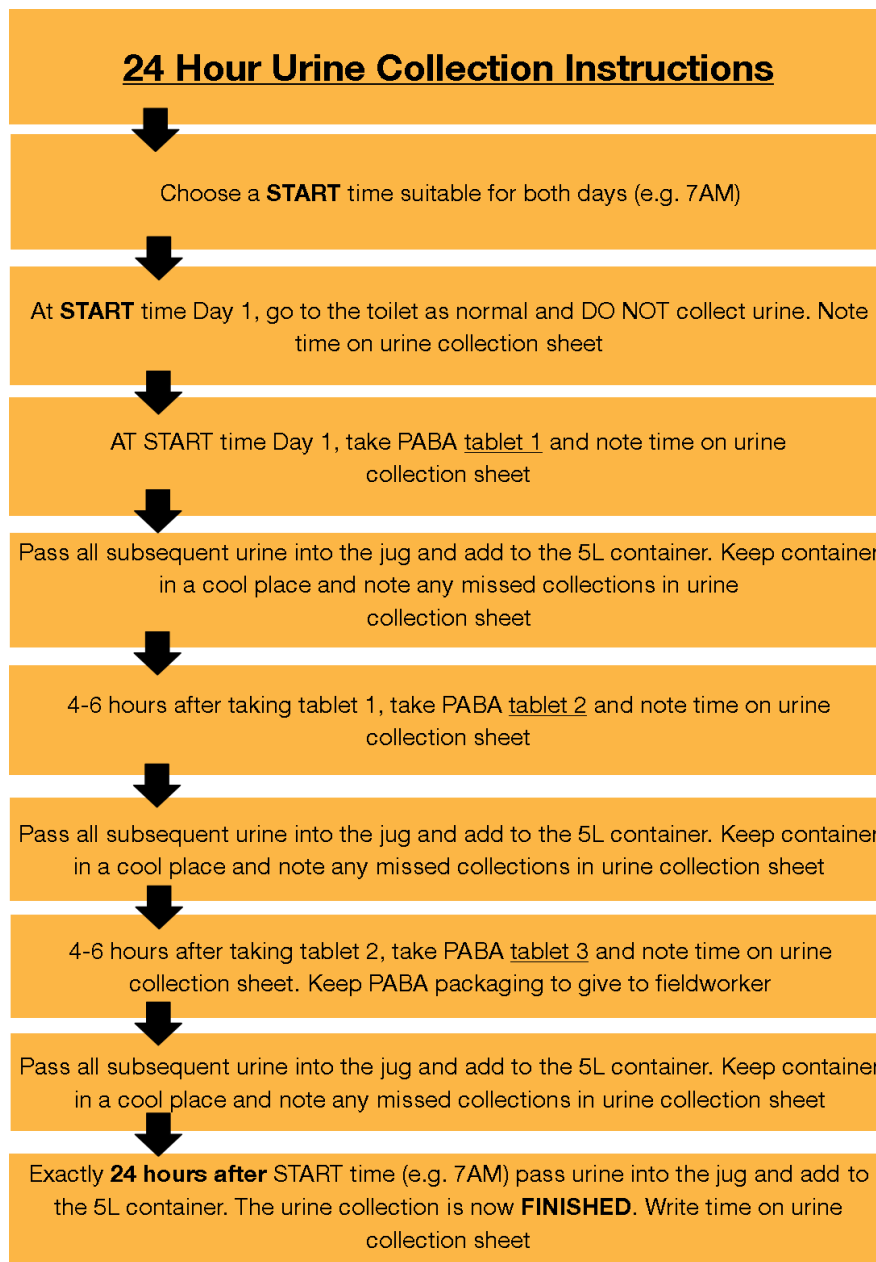
Each participant will have three PABA tablets which are to be taken at evenly spaced intervals throughout the collection period. The last PABA tablet should be taken at least 8 hours before the final urine collection on the second day. This time is needed for PABA clearance through the kidneys to ensure that all PABA is excreted by the time the participant collects their final sample. The participant will be asked to retain the silver PABA blister pack and return it to the fieldworker on the second visit.

PABA is an intermediate in the synthesis of folic acid in bacteria. PABA is consumed in small amounts as part of our usual diet and is found, for example, in liver, kidney, brewer's yeast, molasses, whole grains, mushrooms and spinach, and can be made by intestinal bacteria. Larger amounts of PABA are found in some supplement preparations. Following ingestion, PABA is passively absorbed mainly from the small intestine. From there, it enters the portal circulation. Some metabolism of PABA occurs in the liver and PABA and its metabolites are mainly excreted in the urine 6-8 hours later. By measuring the amount of PABA in participant's urine, it allows us to accurately determine whether a complete collection has been made. PABA may interfere with sulphonamide based antibiotics, and therefore participants who are taking sulphonamide based medicines are excluded from taking PABA. Although not directly harmful to the participant, PABA may stop the anti-bacterial from working. Please note we will not ask participants to stop any of their sulphonamide medication but simply ask to not take PABA. The fieldworker will have a short list of medications that exclude participants from taking PABA in the ICF.

Because some medications and dietary supplements/vitamins may interfere with the assay we use to determine PABA, it is important to record them on the urine collection sheet.

The PABA tablet is very small and most people find it easy to swallow whole. It is not recommended to dissolve it in water or any other drink. The participant can crush the tablet between teeth. PABA has an acidic taste but there is no long lasting after taste.

Analysis of the PABA will allow us to check whether the sample is complete, however, it is important that participants also record any missing samples on the urine collection sheet, even if just through spillage.



## 5. The second visit: Collect samples

During the second visit the fieldworker will weigh the 24-hour urine collection, thoroughly mix and obtain two aliquots of the 24-hour sample. This visit should take place as soon as possible on the day or the day after the 24-hour sample collection is complete so that samples reach MRC HNR for processing without further delay.

**Note:** The participant must be present for the second visit so that the fieldworker can go through the collection sheet with the participant and hand over the gift card.

If samples are delayed for any reason, fieldworkers should still send the samples but clearly indicate the reason for the delay on the despatch note.

## *24-hour urine collection equipment for the fieldworker*

- Scales for weighing the urine collection container set to kg
- 2 x 10ml Sarstedt urine monovettes with extension tubes
- Disposable gloves and work mat
- Postal container and packing material for despatching the samples
- 24-hour urine collection sheet and despatch note
- Labels for the Sarstedt urine monovettes

## *Weighing the urine sample*

The 5L container must be weighed twice and the weight recorded on the despatch note. If the participant had also used a 2L container and this urine cannot be decanted into the 5L container, then weigh both containers separately and note both weights on the despatch form. Make sure that you accurately weigh the sample using the correct protocol.

Ensure that the lid of the container is securely fastened and check that the scales are set to kg and tared to zero. Place the container on the middle of the hook of the scale. Hold the scale handles in both hands with your palms facing down. Extend your arms slightly, making sure the handles of the scale are at the level of your chest. Bend your elbows and hold the scale and urine approximately 18 inches (1.5 feet) from your chest, making sure you are able to hold the container still. Hold the container in this position for five seconds. Record the weight on the despatch form and repeat this process again.

## *Urine sub-sampling procedure*

After weighing the urine, the collection container must be **inverted and rotated at least 20 times** so that the 24-hour urine sample is mixed thoroughly.

The disposable working mat should be used when performing the sub-sampling. Some urine from the 24-hour collection should be transferred to the jug. For each participant, two aliquots should be collected from the 24-hour urine sample. The Sarstedt monovettes should be filled with urine from the jug using the extension tubes and labelled using the labels provided, after they have been checked. After each monovette has been filled, the extension tube is removed, the monovette sealed with a plastic cap and the monovette plunger stalk snapped.

After collecting the samples, the fieldworker or participant will dispose of the rest of the 24-hour collection in the toilet (not from a height). Containers can be rinsed and disposed of with household waste. If it is not possible to dispose of equipment at the address, the fieldworker will pack away the equipment used and take this away for disposal at home or in public waste containers.

The completeness of the 24-hour urine collection will be verified in two ways: through participants self-report and the use of PABA as an objective measure. During the 24-hour collection, participants are asked to record any missed urine collections on the urine collection sheet. Therefore, it is important that at the second visit the fieldworker checks this sheet and ensures with participants whether the sample is complete, and if not, notes on how many occasions urine was not included in the sample. If urine has been missed, interpretation of result relies on having this information.





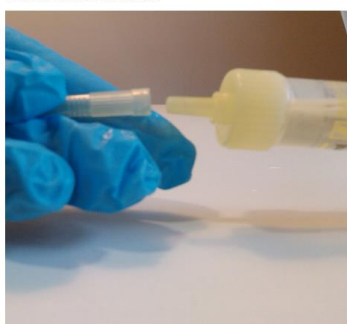
1. Remove the small push cap.



2. Push the extension tube on the urine monovette nozzle.



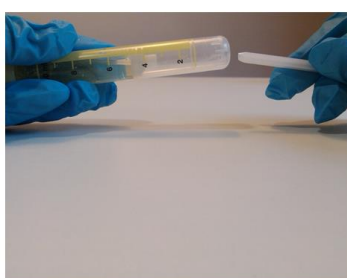
3. To fill the urine monovette, pull back the plunger until you hear the click .



4. Remove the extension tube.



5. Replace the cap.



6. Break off the stalk of the plunger

## Participant incentives

Finally, the fieldworker will thank the participant for their co-operation and will hand over a **£15** gift card. In order to activate the card, you must contact the Incentives team at NatCen ([incentivesnisodiumstudy@natcen.ac.uk](mailto:incentivesnisodiumstudy@natcen.ac.uk) or call 01277 200600 for more urgent matters) and inform them of your fieldworker ID, the amount needed (£15) and the last 8 digits of the card number. Make sure to include the project number (P10041.08) and the reason for emailing in the subject header of the email. If you anticipate needing more gift cards, contact Liadhan at Ulster University (07751 340134 or 02870 123398) who will arrange for you to be sent some more. **Fieldworkers should allow 24-72 hours for gift cards to activate.**

You must contact NatCen after every successful final visit, preferably on the same day. Any contact made outside of office hours (9AM-5PM; Mon-Fri) means that queries will not be addressed until the following working day. Likewise, contact made after 3PM on a Friday or

any time within the weekend will not be addressed until the following Monday, so make sure that you inform participants of any delays.

Recommend participants to check their balance before using the gift card. Participants can check their card balance online: <https://www.flexecash.com/flexecash/love2shop-retail/balance.htm?execution=e1s1>

The link below gives details of retailers that accept the cards:  
<http://www.flexecash.com/flexecash/love2shop-retail/retailers.htm>

The cards can only be used within the UK.

Only give the gift card to participants who provided a sample. If the participant 'gave up' during the collection period, they are not eligible for the gift card. This should be made clear to participants during the first visit.

## 6. Labelling, packaging and despatch

The two aliquots from the 24-hour sample will be labelled. Labelling and packaging will take place during the second fieldworker visit and despatched as soon as possible after the visit.

The fieldworker will ensure that all samples are properly sealed. Each of the two samples will be placed into a recyclable rigid Noax tube that contains an absorbent liner (in case of leakage) and packaged into the postal box provided. The box is then placed in the pre-labelled padded envelope and posted to HNR.

Samples must be despatched within 48 hours of the end of the 24-hour urine collection. The delay may be longer if the second visit takes place on a Saturday, but the samples should be collected by Royal Mail on Monday morning. The samples should be stored in a cool place such as a cupboard or utility room between the second visit and postage.

## If you miss a sample or forget PABA

If, for any reason (e.g. because of a bowel motion) a urine sample is missed – even small spillage – please record this on the urine collection sheet.

PABA should be taken at evenly spaced intervals throughout the collection period as detailed in the flow diagram. If a tablet is forgotten or taken at different times, then please record this on the urine collection sheet.

## Once your collection is complete

The fieldworker will arrange an appointment with you to come and collect the urine sample as soon as possible after completion of your 24-hour urine collection. In the mean time, please store your complete collection in a cool, dark place (e.g. a cupboard or utility room).

At this appointment the fieldworker will weigh the urine collection and take

two small samples from your 24-hour collection, which will be sent to the lab for analysis.

The fieldworker will dispose of the equipment at the end of the visit.

## Any other questions

We hope this leaflet answers the questions you may have. If you have any other questions, please speak to the fieldworker.

**Thank you for your help with our research.**

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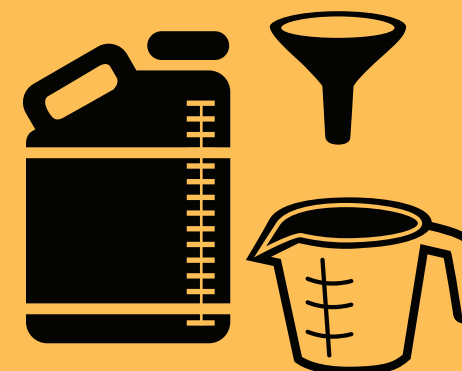
Annex 7\_DHS15\_24h urine leaflet\_NI\_v2 171114. For use from 01.01.2015

**NatCen**  
Social Research that works for society



MRC | Human  
Nutrition  
Research

# Diet and Health Study 2015



## THE 24-HOUR URINE COLLECTION

We are interested in measuring useful diet markers in urine, such as sodium and potassium. We can only get this essential information from the analyses of the urine sample you provide.

We are not testing for drugs or viruses in this study.

**As a token of appreciation you will receive a £15 gift card for completing this part of the study.**

## What will happen to me?

We will ask you to collect all your urine over a 24-hour period. We will also ask that you take three tablets of a marker, called para-aminobenzoic acid (PABA), which helps to check how complete your urine sample is. PABA is part of the B vitamin folic acid. The fieldworker will give you a leaflet providing more information about PABA. If you would rather not take the PABA tablets, please discuss this with the fieldworker

## Why 24 hours?

The levels of sodium and potassium in urine fluctuates according to what was eaten at the last meal, and how much fluid we drink. A collection over 24 hours, if collected according to protocol, gives much more reliable information about the usual levels in a person's diet than a single urine collection.

## Equipment

The fieldworker will provide you with the following equipment for making your collection:

- 1) 5 litre screw-capped plastic collection container
- 2) 1 litre plastic jug
- 3) A funnel
- 4) 2 litre screw-capped container (optional)
- 5) Plastic bag for carrying the equipment

## Before the urine collection

The start date of your 24-hour urine collection will be selected at random so that we get representative results for all days of the week. If the selected day is not convenient for you, the fieldworker will be able to allocate a more suitable day for you. Women should not make their collection during their period.

## How to make your collection

### 24 Hour Urine Collection Instructions

Choose a **START** time suitable for both days (e.g. 7AM)

At **START** time Day 1, go to the toilet as normal and DO NOT collect urine. Note time on urine collection sheet

AT START time Day 1, take PABA tablet 1 and note time on urine collection sheet

Pass all subsequent urine into the jug and add to the 5L container. Keep container in a cool place and note any missed collections in urine collection sheet

4-6 hours after taking tablet 1, take PABA tablet 2 and note time on urine collection sheet

Pass all subsequent urine into the jug and add to the 5L container. Keep container in a cool place and note any missed collections in urine collection sheet

4-6 hours after taking tablet 2, take PABA tablet 3 and note time on urine collection sheet. Keep PABA packaging to give to fieldworker

Pass all subsequent urine into the jug and add to the 5L container. Keep container in a cool place and note any missed collections in urine collection sheet

Exactly **24 hours after** START time (e.g. 7AM) pass urine into the jug and add to the 5L container. The urine collection is now **FINISHED**. Write time on urine collection sheet

# Diet and Health Study 2015



## Information about PABA

You have agreed to collect a 24-hour urine sample. Our fieldworker will also ask you to take **3 PABA tablets during your collection period**. The tablets can be taken with food if you wish. This leaflet tells you more about what PABA is and how it works.

## What is PABA?

PABA is short for para-aminobenzoic acid. It is a naturally occurring substance which is part of the B vitamin folic acid.

Small amounts of PABA are found in foods such as liver, kidney, brewer's yeast, molasses, whole grains, mushrooms and spinach. Larger amounts are included in some vitamin tablets, so we need to know if you are taking any vitamin tablets or dietary supplements during your urine collection.

# Why are we asking you to take PABA?

By measuring the level of PABA in the urine we can tell you how complete your 24-hour urine sample is. It is important to know if the 24-hour urine collections are complete. Only then will we be able to look at the useful nutrition indicators that we get from the urine across the population and relate the results to nutrition guidelines.

## Is PABA safe?

PABA is very safe. Substances like PABA are used in some hair dyes, sunscreen products and dietary supplements. If you are allergic to any of these you will not be given PABA.

PABA is suitable for vegetarians and is gluten-free. However, PABA contains lactose (milk sugar).

PABA is safe for pregnant and breastfeeding women. However, if you are pregnant, think you might be pregnant or are breastfeeding, you are not eligible to take part in the study. This is because the diet markers we are measuring are different for pregnant and breastfeeding women.

## Taking other medication?

Some medicines and dietary supplements interfere with the test we use for PABA in the urine, so we also need to ask you about the medicines and supplements you may be taking. We will not ask you to stop taking your medicines and supplements; we only need to know about them.

Please keep your PABA tablets safe and remember to take them during the collection and to record when you take them on your urine collection sheet.

Please keep your empty blister pack and give it to the fieldworker at the second visit.

**If you have any questions about PABA, or if you are worried about any aspect of the urine collection, please discuss this with the fieldworker.**

## Diet and Health Study 2015 - CONSENT FORM -

Affix serial ID label
UCON (1)
UCON (2)

**MREC Reference Number: 13/EE/0417**

**Please use capital letters and write in ink**

**Please initial boxes**

- |  |   |
|--|---|
| <p>1. I confirm that I have read and understand the 24-hour urine leaflet dated 17.11.2014 (version 2) and PABA leaflet dated 17.11.2014 (version 2) for the above study. I have been given the opportunity to ask questions and have had these answered satisfactorily.</p> | <div style="border: 1px solid black; width: 60px; height: 40px; margin: 0 auto;"></div> |
| <p>2. I understand that my participation is voluntary and that I am free to withdraw from the study, at any time, without giving a reason and without my medical care or legal rights being affected.</p>  | <div style="border: 1px solid black; width: 60px; height: 40px; margin: 0 auto;"></div> |
| <p>3. I agree to take PABA tablets to support the 24-hour urine collection.</p>  | <div style="border: 1px solid black; width: 60px; height: 40px; margin: 0 auto;"></div> |
| <p>4. I consent to provide a 24-hour urine sample for laboratory analysis.</p>   | <div style="border: 1px solid black; width: 60px; height: 40px; margin: 0 auto;"></div> |
| <p>5. I give permission for any remaining urine to be stored and, with ethical approval as appropriate, used in future research studies.</p>   | <div style="border: 1px solid black; width: 60px; height: 40px; margin: 0 auto;"></div> |

\_\_\_\_\_  
*Name of Participant (Please print)*

\_\_\_\_\_  
*Date*

\_\_\_\_\_  
*Signature*

\_\_\_\_\_  
*Name of Fieldworker (Please print)*

\_\_\_\_\_  
*Date*

\_\_\_\_\_  
*Signature*

**When completed: please retain top copy for NatCen and give bottom copy to participant**

You can cancel this permission at any time in the future by writing to us at the following address:  
NatCen Social Research, 35 Northampton Square, London EC1V 0AX.  
Telephone: 0800 652 4572

## Diet and Health Study 2015

### *24-hour urine collection sheet*

#### SECTION A: FIELDWORKER TO COMPLETE

Please affix serial ID label <b>UCOL (3)</b>	Fieldworker Name <input style="width: 100%;" type="text"/>						
	Fieldworker Number <table border="1" style="display: inline-table; width: 60px; height: 30px; vertical-align: middle;"> <tr> <td style="width: 30px;"></td> <td style="width: 30px;"></td> </tr> </table>						
Participant Sex	<input type="checkbox"/> M <input type="checkbox"/> F						
Participant DOB	<table border="1" style="display: inline-table; width: 40px; height: 30px;"> <tr> <td style="width: 20px;"></td> <td style="width: 20px;"></td> </tr> </table> / <table border="1" style="display: inline-table; width: 40px; height: 30px;"> <tr> <td style="width: 20px;"></td> <td style="width: 20px;"></td> </tr> </table> / <table border="1" style="display: inline-table; width: 40px; height: 30px;"> <tr> <td style="width: 20px;"></td> <td style="width: 20px;"></td> </tr> </table>						
Start date of 24-hour collection	<table border="1" style="display: inline-table; width: 40px; height: 30px;"> <tr> <td style="width: 20px;"></td> <td style="width: 20px;"></td> </tr> </table> / <table border="1" style="display: inline-table; width: 40px; height: 30px;"> <tr> <td style="width: 20px;"></td> <td style="width: 20px;"></td> </tr> </table> / <table border="1" style="display: inline-table; width: 40px; height: 30px;"> <tr> <td style="width: 20px;"></td> <td style="width: 20px;"></td> </tr> </table>						
Participant consented to take PABA tablets?	Yes <input type="checkbox"/> No <input type="checkbox"/>						

#### SECTION B: PARTICIPANT TO COMPLETE

##### 1. DATE / TIME OF 24-HOUR COLLECTION PERIOD

Order of events	PABA tablet taken?	Date	Time	Please tick	
				AM	PM
<b>START:</b> Flush this urine away and record <b>start</b> time		DD / MM / YY	HH : MM	AM	PM
<b>1<sup>st</sup></b> PABA tablet <b>Take at start time</b>	Y / N	DD / MM / YY	HH : MM	AM	PM
<b>2<sup>nd</sup></b> PABA tablet <b>Take 4-6hrs after 1<sup>st</sup> tablet</b>	Y / N	DD / MM / YY	HH : MM	AM	PM
<b>3<sup>rd</sup></b> PABA tablet <b>Take 4-6hrs after 2<sup>nd</sup> tablet</b>	Y / N	DD / MM / YY	HH : MM	AM	PM
<b>END:</b> Collect this urine and record <b>end</b> time		DD / MM / YY	HH : MM	AM	PM

**Note:** For collections at 12 o'clock mid-day, tick **PM**; at 12 o'clock mid-night, tick **AM**.

##### 2. MISSED URINE

It is **very** important that you collect **all** the urine you produce in the 24 hour period.



However, if you have **MISSED** any urine collections, even just through spillage or overflowing, please make a note in the table below:

	Date	Time	Please tick AM PM		Comments (e.g. spillage, overflow, full sample)
1	DD / MM / YY	HH : MM	AM	PM	
2	DD / MM / YY	HH : MM	AM	PM	
3	DD / MM / YY	HH : MM	AM	PM	
4	DD / MM / YY	HH : MM	AM	PM	

### **3. MEDICINES AND DIETARY SUPPLEMENTS**

We also need to know about certain medicines and dietary supplements/vitamins you have taken over the 24-hour urine collection.

Did you take any sulphonamide based antibiotics? Yes ☐ No ☐

Did you take any diuretics (also known as water tablets)? Yes ☐ No ☐

Did you take any dietary supplements/vitamins? Yes ☐ No ☐

If you answered YES to any of these questions, please enter the names of these in the table below:

1	
2	
3	
4	

Please give this form to the fieldworker, along with your urine sample and silver PABA tablet packaging. The fieldworker may ask you to confirm some of the details you have recorded.

***Many thanks for taking part in this study!***

**As a token of our appreciation the fieldworker will give you a £15 gift card for completing this study.**