

## Infant Buccal (cheek cell) Sample Collection Instruction Sheet

Thank you for your participation in The ORIGINS Project. Following are instructions on how to collect your infant's buccal (cheek cell) sample at home.

A buccal sample is a valuable source of DNA (genetic) information. The samples will be used to measure how genes interact with diet and environmental exposures to influence the development of many organ systems and how this impacts on the risk of chronic health conditions.

**Before collecting any samples, please plan how you will get your samples to the ORIGINS team by scanning the QR code or following the link for more information:**

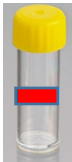
[https://originsproject.telethonkids.org.au/for-participants/sample\\_collection/](https://originsproject.telethonkids.org.au/for-participants/sample_collection/)



### STEPS FOR INFANT BUCCAL SAMPLE COLLECTION

1. Check your Infant buccal sample kit contains:

- **1x Floq swab**
- **1x Buccal collection tube (contains collection fluid)**
- **1x pair of gloves**
- **1x Buccal Request Form**
- **Biohazard Bag**



2. Remove buccal sample kit contents and ensure all contents are present.

3. You can either swaddle your infant in a blanket (A) or get someone to cradle your infant (B) (see below pictures).



4. If your infant has ingested food or fluid other than water in the last hour give them to have a drink of water, then wait 10 minutes.

5. Wash hands thoroughly with warm, soapy water and dry well. **Put on gloves.**

6. Remove the cap from 5ml tube, taking care to place it somewhere where it can't be knocked over. Remove floq swab from tube, taking care not to touch the end of the swab with your fingers.

7. Put the date of collection on saliva sticker label provided and stick on the buccal collection tube (see below photo).



8. Gently hold infant's mouth open and put the soft end of the swab into the infant's mouth and rub up and down 10 times against the inside of the right cheek (see below: A is in a swaddle position, B is in a cradle hold and C shows the direction of how to swab).




9. Repeat the process on the inside of the **left** cheek
10. Immediately after collection, swirl floq swab into the labelled buccal swab tube containing collection fluid for **30 seconds** (A). Rub the swab against the inner walls of the tube to dislodge cellular material (B). Replace the lid of the collection tube.



10. Discard the floq swab.
11. On the biological request form fill in all relevant information including:
- Which sample has been collected (buccal swab)
  - The date and time of sample collection
  - At which appointment the sample was taken (1 year)
12. Place form in front pocket of biohazard bag and sample inside the bag and then seal it.
13. Consult the ORIGINS website to find out how you get this sample to the ORIGINS team if you haven't already.

***Thank you for being a part of this valuable research***

Any queries please contact The ORIGINS team

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