

# CALEX<sup>®</sup> Cap Stool Preparation Guide

Supplemental User Workflow Aid

## 1. Sample Preparation

### Ensure Sample is Mixed Well

This promotes even distribution of calprotectin throughout the stool sample.

- **Liquid stools:** Swirl the specimen in the collection container as you would a urine sample.
- **Hard stools:** Mix as thoroughly as possible. This may be challenging - do your best.

**⚠ Note:** For tips on handling difficult stools, please refer to **Table 1** at the end of this guide.

### Sample Transfer

You may transfer the stool sample to a weigh boat at this time or keep it in the collection container for extraction.

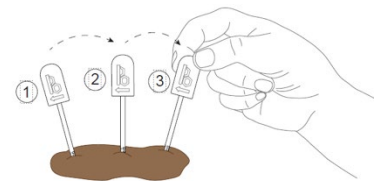
**⚠ Note:** Low volume samples may be difficult to extract from the collection container.

## 2. CALEX<sup>®</sup> Cap Sampling Procedure

### Prepare the Sampling Device

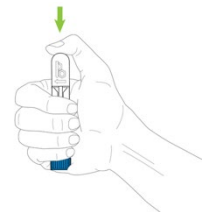
1. Hold the **CALEX<sup>®</sup> Cap upright**.
2. Remove the **white sampling pin** by holding the CALEX<sup>®</sup> body in your palm and pushing up on the indent with your thumb.

**⚠ Do not unscrew the blue cap.**



### Collect the Sample

- Dip the **dosing tip with grooves** into the sample. Twist the tip and remove it.
- Repeat this motion **3–5 times**, sampling from different areas to fill **all six grooves** completely.
- Excess stool will be stripped off in the funnel when the pin is reinserted.
- Reinsert the **sampling pin** into the CALEX<sup>®</sup> Cap body.
  - Push down firmly until the white cap **clicks twice** into the locked position.
  - Ensure **all six grooves** are fully filled.



**⚠** If any groove appears empty, discard the CALEX<sup>®</sup> Cap and **repeat the procedure with a new device**.

## 3. Extraction and Incubation

### Mix and Incubate

1. Vortex the sealed CALEX<sup>®</sup> Cap (**white cap down**) **vigorously for 30 seconds**.
2. Incubate with **blue cap down**:
  - **fCAL turbo:** 10 minutes
  - **fPELA turbo:** 1 hour



### Post-Incubation

- After incubation, vortex again for **30 seconds**.
- Sampling grooves should now be **visibly clear of stool**.
- If not, **repeat vortexing and incubation**.

**⚠ Note:** At this point, the stool sample is diluted at a **1:500 ratio**.

## 4. Final Preparation & Analysis

1. **Centrifuge** the CALEX® Cap (**white cap down**) for **10 minutes at 1000–3000g**.
2. **Remove the blue cap** and place the CALEX® Cap directly on your **clinical chemistry analyzer** to begin the **fCAL turbo** or **fPELA turbo** procedure.



### Stability Information

- CALEX® Cap extracts are **stable at room temperature** (18°C to 28°C) for **up to 2 days**.
- When stored at **2–8°C**, extracts are stable for **up to 15 days**.
- For **longer storage**, freeze extracts at **-20°C**.
- Extracts can withstand **up to four freeze-thaw cycles**.

### Before Measurement:

- Thaw frozen extracts and let them **equilibrate to room temperature for up to 2 hours**.
- **Vortex thoroughly for 10 seconds**.
- **Centrifuge for 10 minutes at 1000–3000g**.

### Table 1: Handling Difficult Stools

#### Liquid stool samples:

- **fCAL:**
  - Swirl gently in the container
  - Lock white cap and remove blue screw cap
  - Pipette 10µL of liquid sample into the blue screw cap end
  - Close blue screw cap and proceed with the standard workflow
- **fPELA:** Follow your lab's SOP for using liquid samples

#### Hard or non-adherent samples:

- Position stool on the container wall or transfer to a weigh boat
- Press the tip firmly against the wall or weigh boat to “force” stool into the grooves
- Repeat until grooves are full, then reinsert the sampling pin and continue procedure

*This document is intended as a supplemental user guide and workflow aid. It is not a substitute for the official Instructions for Use (IFU), which must be consulted for complete and validated procedures.*