CONGEN

Flow Chart for SureFood® PREP Advanced Protocol 1

Art. No. S1053

September 2022

Information

(1) Preparation of the basic material

(2) Lysis of basic material

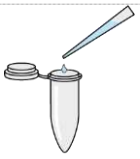
Add **580 µl Lysis Buffer** (Code L)
and **20 µl Proteinase K** (Code K)

Mixing

Incubation **60 min 65°C** by shaking

Centrifugation **1 min 12000 rpm**

(3) Pre - filtration and setting of optimal binding conditions



Transfer **liquid supernatant**
into a new **1.5 ml reaction tube**

Centrifugation **1 min 12000 rpm**

Place **green Spin Filter** (Code F)
in **clear Receiver Tube** (Code R)

Add **400 µl clear supernatant**
onto the Spin Filter

Centrifugation **1 min 12000 rpm**

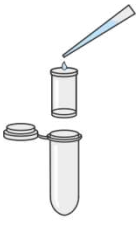
Discard Spin Filter

(4) Binding of nucleic acids

Add **250 µl Binding Buffer** (Code B) to
the filtrate

Mixing

Place a **clear Spin Filter** (Code S)
into a new **clear Receiver Tube** (Code R)



Transfer the **complete solution**
onto the Spin Filter (Code S)

Incubation **1 min at room temperature**

Centrifugation **1 min 12000 rpm**

Discard the filtrate

Flow Chart for SureFood® PREP Advanced Protocol 1

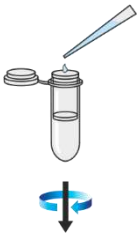
Art. No. S1053

September 2022

Information

(5) **Purification of bound nucleic acids &**

(6) **Drying of the Spin Filter**



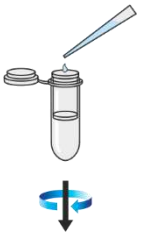
Place the **clear Spin Filter**
back into the **clear Receiver Tube** (Code R)

Add **550 µL Pre-Wash Buffer** (Code P)

Centrifugation **1 min 12000 rpm**

Discard filtrate
Place Spin Filter back into the Receiver Tube (Code R)

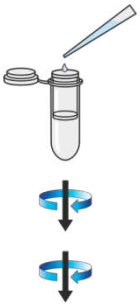
Add **550 µL Wash Buffer** (Code W)



Centrifugation **1 min 12000 rpm**

Discard filtrate
Place Spin Filter back into the Receiver Tube (Code R)

Add **550 µL Wash Buffer** (Code W)

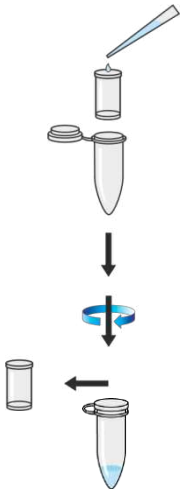


Centrifugation **1 min 12000 rpm**

Discard filtrate
Place Spin Filter back into the Receiver Tube (Code R)

Centrifugation **2 min 12000 rpm**

(7) **Elution of nucleic acids**



Place the **Spin Filter** into a
clear 1.5 ml Receiver Tube (Code T)

Add **50 µL preheated Elution Buffer** (Code E)

Incubation **3 min 65°C**

Centrifugation **1 min 10000 rpm**

Discard Spin Filter

The eluted DNA is ready-to-use for the PCR