CONGEN

Flow Chart for SureFood® PREP Advanced Protocol 2

Art. No. S1053

November 2017

Information

(1) Preparation of the basic material

(2) Lysis of basic material

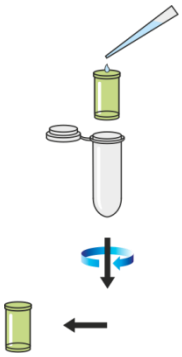
Add **580 µl Lysis Buffer** (Code L)
and **20 µl Proteinase K** (Code K)

Mixing

Incubation **30 min 65°C** by shaking

Centrifugation 1 min 12000 rpm

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



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

Place the Spin Filter back into the Receiver Tube

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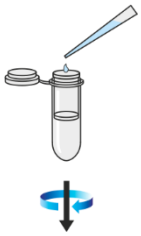
(5) **Purification of bound nucleic acids &**

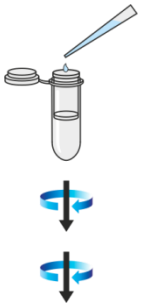
(6) **Drying of the Spin Filter**



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

Centrifugation **1 min 1200 rpm**

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



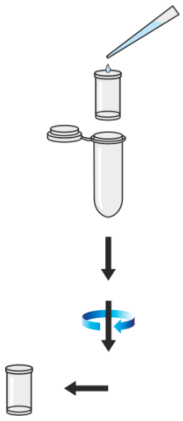
Add **550 µL Wash Buffer** (Code W)

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
new clear Receiver Tube (Code R)

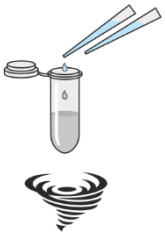
Add **200 µL preheated Elution Buffer** (Code X)

Incubation **3 min 65°C**

Centrifugation **1 min 10000 rpm**

Discard Spin Filter

(8) **Repeated setting of optimal binding**



Add **200 µL Lysis Buffer** (Code L)
and **200 µl Binding Buffer** (Code B)
to the **filtrate from Step 7**

Mixing

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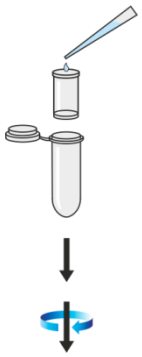
(9) Second Binding of nucleic acids



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

Transfer the **complete solution** from step 8 onto the Spin Filter

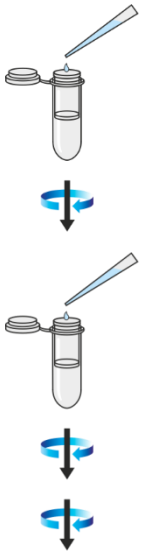
Incubation **1 min at room temperature**

Centrifugation **1 min 12000 rpm**

Discard filtrate
Place Spin Filter back into the Receiver Tube

(10) Second purification of the bound nucleic acids &

(11) Drying of the Spin Filter



Add **500 µl µL Pre-Wash Buffer** (Code P)

Centrifugation **1 min 12000 rpm**

Discard filtrate

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

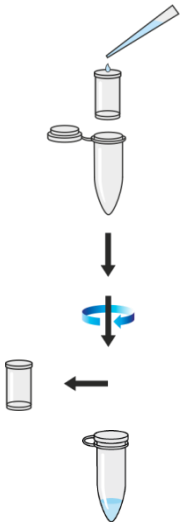
Add **550 µL Wash Buffer** (Code W)

Centrifugation **1 min 12000 rpm**

Discard filtrate
Place Spin Filter back into the Receiver Tube

Centrifugation **2 min 12000 rpm**

(12) Elution of nucleic acids for analysis



Place the **Spin Filter** into a new **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