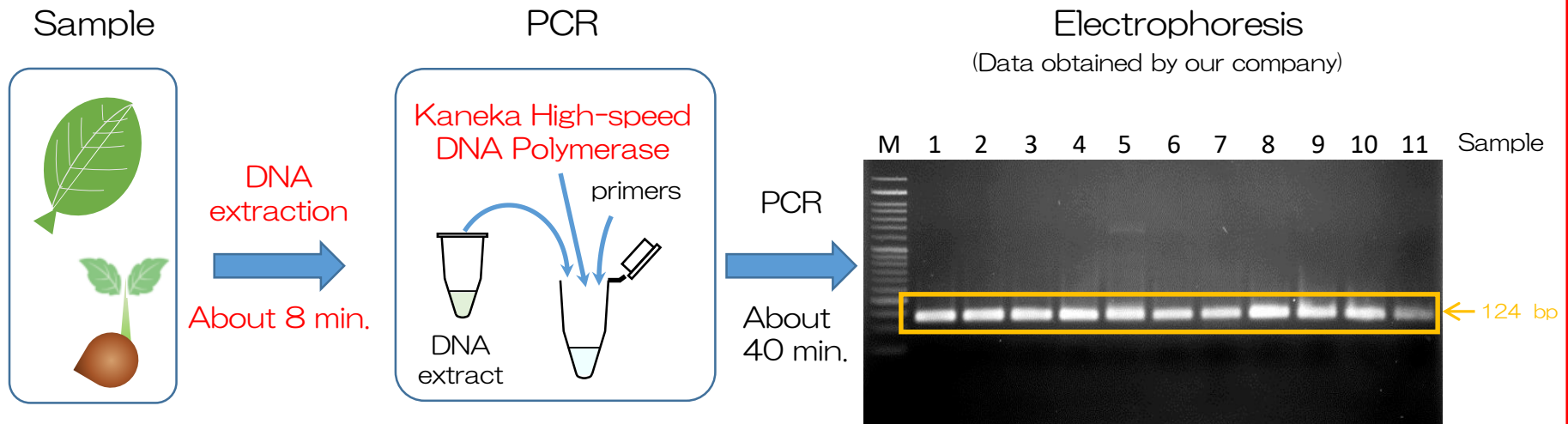


Kaneka DNA Easy Extraction Kit version 2* successfully extracted DNA from plants and Kaneka High-speed DNA Polymerase* can amplify DNA from the extract.



< Kaneka Easy DNA Extraction Kit version 2* >

- General extraction procedure -

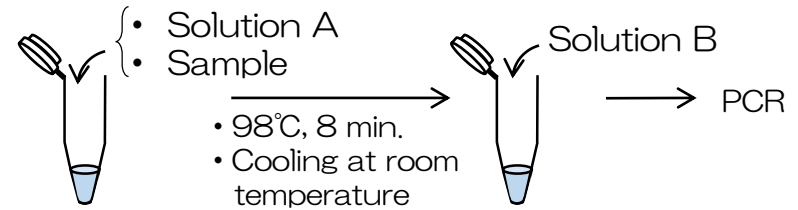
1. Cut a sample into 5 mm pieces.
2. Immerse one of the pieces in 100 μ l of Solution A in a PCR tube and mix well.
3. Incubate the PCR tube at 98°C for 8 minutes on a heat block.
4. Cool the tube to room temperature.
5. Add 14 μ l of Solution B and mix well.

- M. 50 bp DNA ladder marker
- 1. Pepper seeds
- 2. Plant egg seeds
- 3. Pumpkin seeds
- 4. Rice seeds
- 5. Cucumber seeds
- 6. Onion seeds
- 7. Carrot seeds
- 8. Cabbage seeds
- 9. Melon seeds
- 10. Watermelon seeds
- 11. Carrot roots

* "Kaneka Easy DNA Extraction Kit version 2" and "Kaneka High-speed DNA Polymerase" are for research use only.

< Kaneka Easy DNA Extraction Kit version 2* > < Procedure >

- ✓ Simple procedure
- ✓ 10 minute extraction



< Sample: lettuce leaves >

(Data obtained by our company)

M: 50 bp DNA ladder marker
N: negative control (water)

Procedure

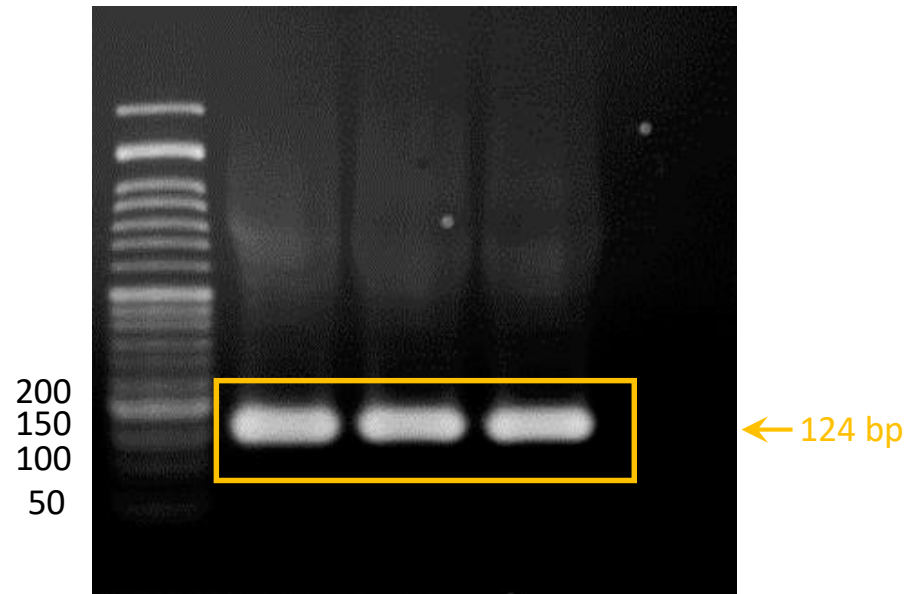


1. Cut a sample into 5 mm pieces.
2. Extract DNA from a pieces of cut samples by using Kaneka Easy DNA Extraction Kit version 2*.
3. Use Kaneka High-speed DNA Polymerase* for PCR.



Electrophoresis for confirming DNA amplification

(bp) M N

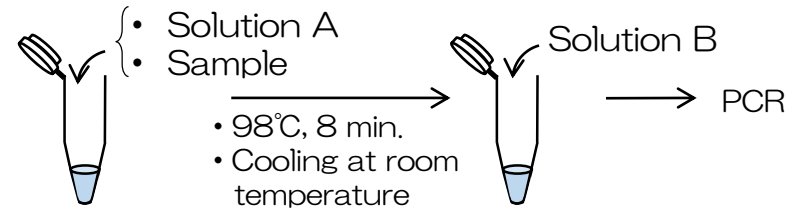


Kaneka DNA Easy Extraction Kit version 2 successfully extracted DNA from lettuce leaves and Kaneka High-speed DNA Polymerase can amplify DNA from the extract.

* "Kaneka Easy DNA Extraction Kit version 2" and "Kaneka High-speed DNA Polymerase" are for research use only.

< Kaneka Easy DNA Extraction Kit version 2* > < Procedure >

- ✓ Simple procedure
- ✓ 10 minute extraction



< Sample: spinach leaves >

(Data obtained by our company)

M: 50 bp DNA ladder marker
N: negative control (water)

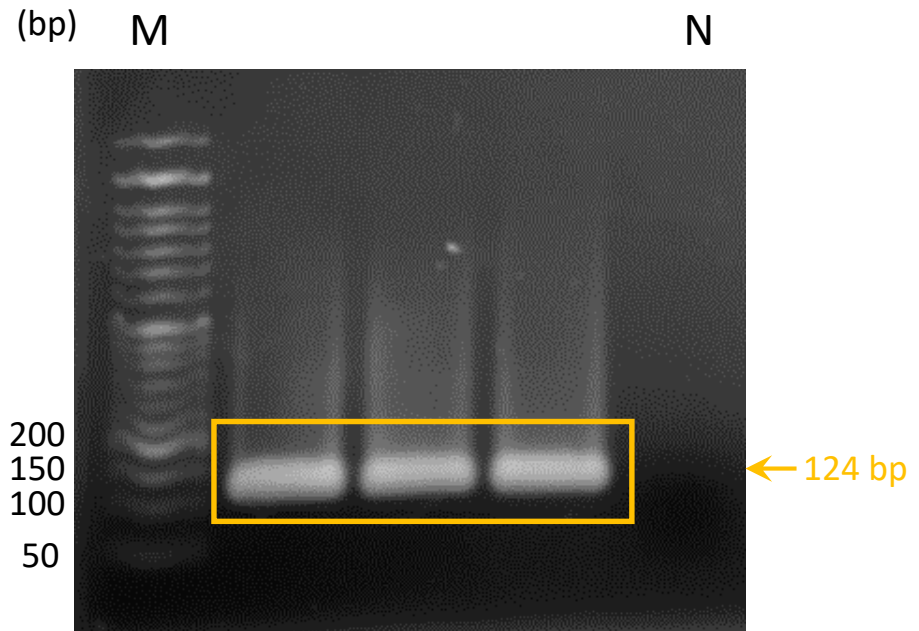
Procedure



1. Cut a sample into 5 mm pieces.
2. Extract DNA from a pieces of cut samples by using Kaneka Easy DNA Extraction Kit version 2*.
3. Use Kaneka High-speed DNA Polymerase* for PCR.



Electrophoresis for confirming DNA amplification

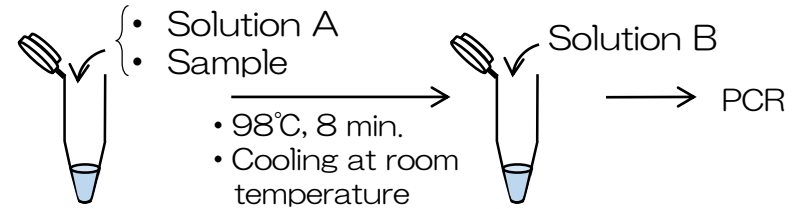


Kaneka DNA Easy Extraction Kit version 2 successfully extracted DNA from spinach leaves and Kaneka High-speed DNA Polymerase can amplify DNA from the extract.

* "Kaneka Easy DNA Extraction Kit version 2" and "Kaneka High-speed DNA Polymerase" are for research use only.

< Kaneka Easy DNA Extraction Kit version 2* > < Procedure >

- ✓ Simple procedure
- ✓ 10 minute extraction



< Sample: pine leaves >

(Data obtained by our company)

M: 50 bp DNA ladder marker

N: negative control (water)

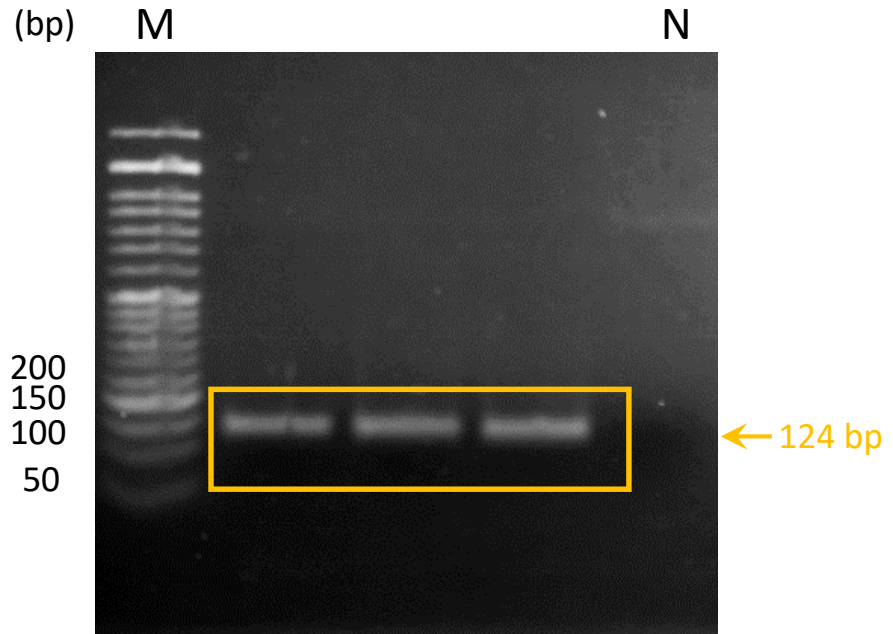
Procedure



1. Cut a sample into 5 mm pieces.
2. Extract DNA from a pieces of cut samples by using Kaneka Easy DNA Extraction Kit version 2*.
3. Use Kaneka High-speed DNA Polymerase* for PCR.



Electrophoresis for confirming DNA amplification

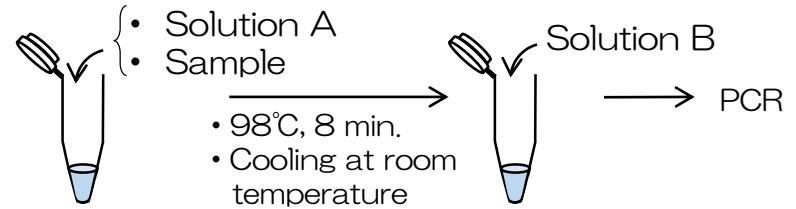


Kaneka DNA Easy Extraction Kit version 2 successfully extracted DNA from pine leaves and Kaneka High-speed DNA Polymerase can amplify DNA from the extract.

* "Kaneka Easy DNA Extraction Kit version 2" and "Kaneka High-speed DNA Polymerase" are for research use only.

< Kaneka Easy DNA Extraction Kit version 2* > < Procedure >

- ✓ Simple procedure
- ✓ 10 minute extraction



< Sample: pepper seeds >

(Data obtained by our company)

M: 50 bp DNA ladder marker
N: negative control (water)

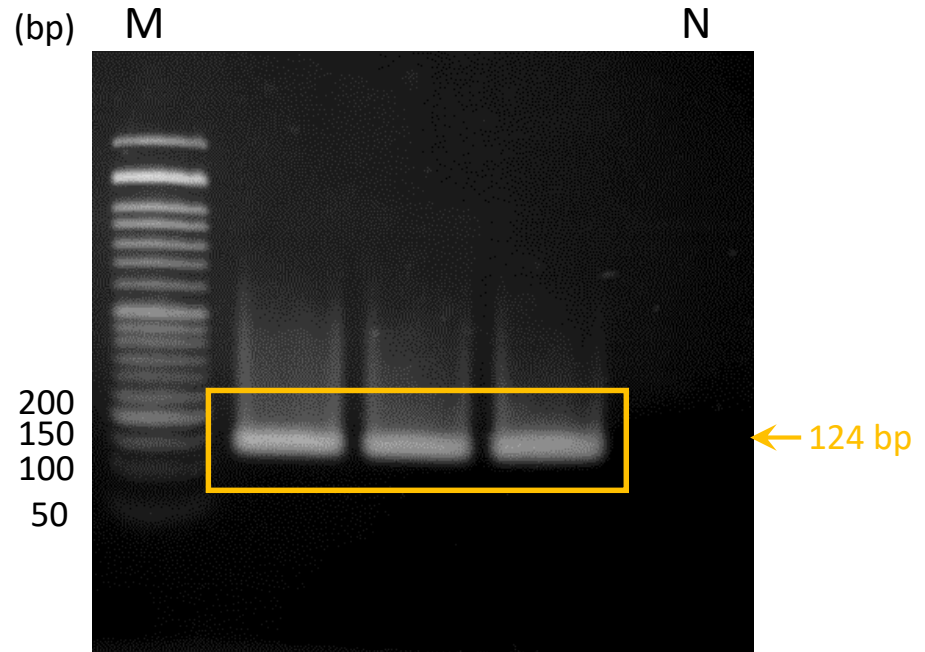
Procedure



1. Extract DNA from 20 mg of powdered samples by using Kaneka Easy DNA Extraction Kit version 2*.
2. Use Kaneka High-speed DNA Polymerase* for PCR.



Electrophoresis for confirming DNA amplification

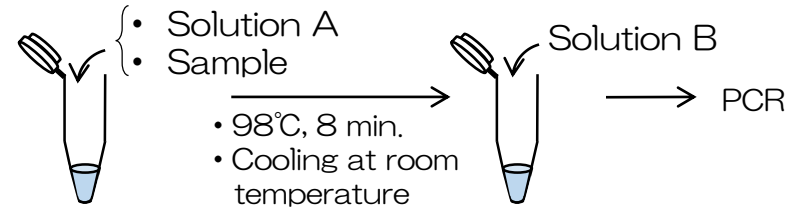


Kaneka DNA Easy Extraction Kit version 2 successfully extracted DNA from pepper seeds and Kaneka High-speed DNA Polymerase can amplify DNA from the extract.

* "Kaneka Easy DNA Extraction Kit version 2" and "Kaneka High-speed DNA Polymerase" are for research use only.

< Kaneka Easy DNA Extraction Kit version 2* > < Procedure >

- ✓ Simple procedure
- ✓ 10 minute extraction



< Sample: corn seeds >



(Data obtained by our company)

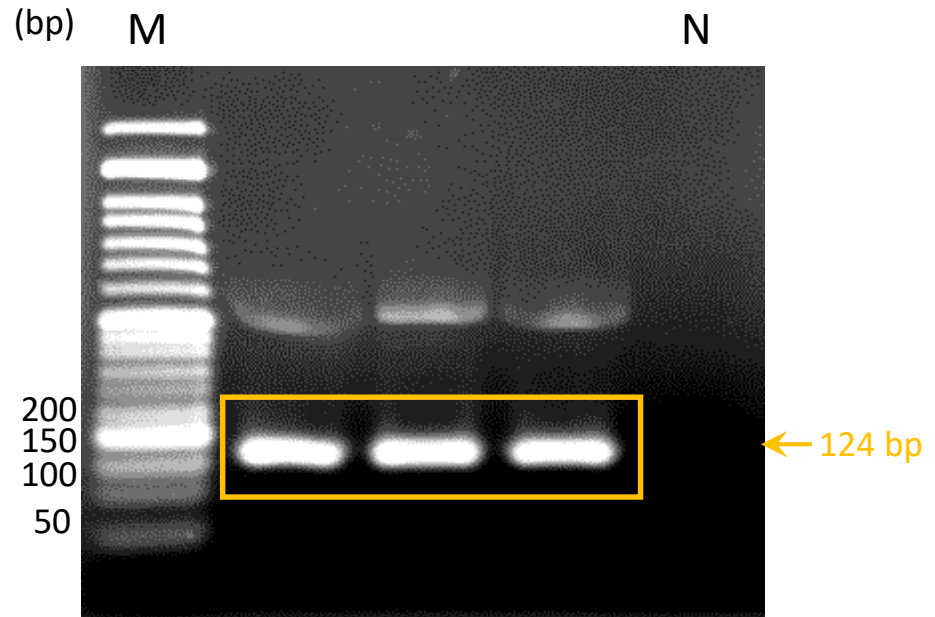
M: 50 bp DNA ladder marker
N: negative control (water)

Procedure

1. Cut a sample into 5 mm pieces.
2. Extract DNA from a pieces of cut samples by using Kaneka Easy DNA Extraction Kit version 2*.
3. Use Kaneka High-speed DNA Polymerase* for PCR.



Electrophoresis for confirming
DNA amplification

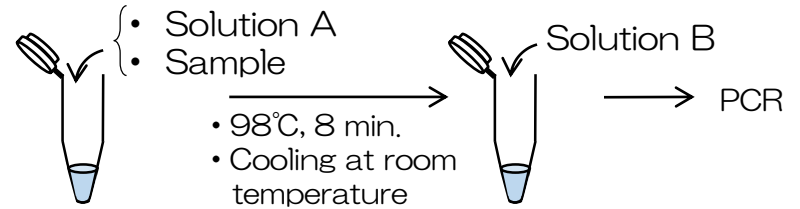


Kaneka DNA Easy Extraction Kit version 2 successfully extracted DNA from corn seeds and Kaneka High-speed DNA Polymerase can amplify DNA from the extract.

* "Kaneka Easy DNA Extraction Kit version 2" and "Kaneka High-speed DNA Polymerase" are for research use only.

< Kaneka Easy DNA Extraction Kit version 2* > < Procedure >

- ✓ Simple procedure
- ✓ 10 minute extraction



< Sample: wheat flour >

(Data obtained by our company)

M: 50 bp DNA ladder marker
N: negative control (water)

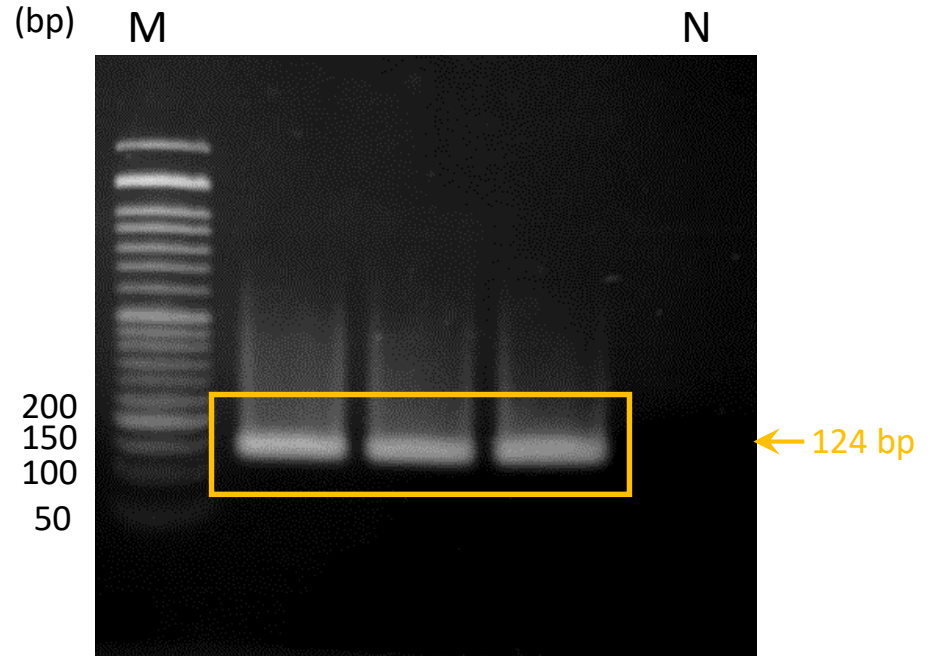
Procedure



1. Extract DNA from 20 mg of powdered samples by using Kaneka Easy DNA Extraction Kit version 2*.
2. Use Kaneka High-speed DNA Polymerase* for PCR.



Electrophoresis for confirming DNA amplification

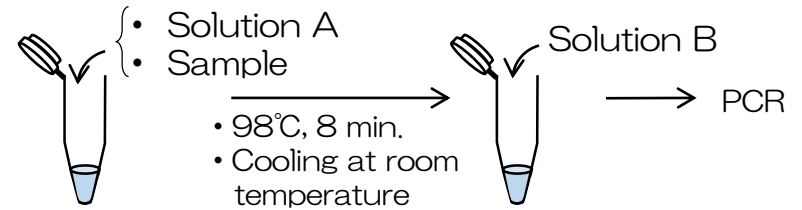


Kaneka DNA Easy Extraction Kit version 2 successfully extracted DNA from wheat flour and Kaneka High-speed DNA Polymerase can amplify DNA from the extract.

* "Kaneka Easy DNA Extraction Kit version 2" and "Kaneka High-speed DNA Polymerase" are for research use only.

< Kaneka Easy DNA Extraction Kit version 2* > < Procedure >

- ✓ Simple procedure
- ✓ 10 minute extraction



< Sample: buckwheat seeds >

(Data obtained by our company)

M: 50 bp DNA ladder marker
N: negative control (water)

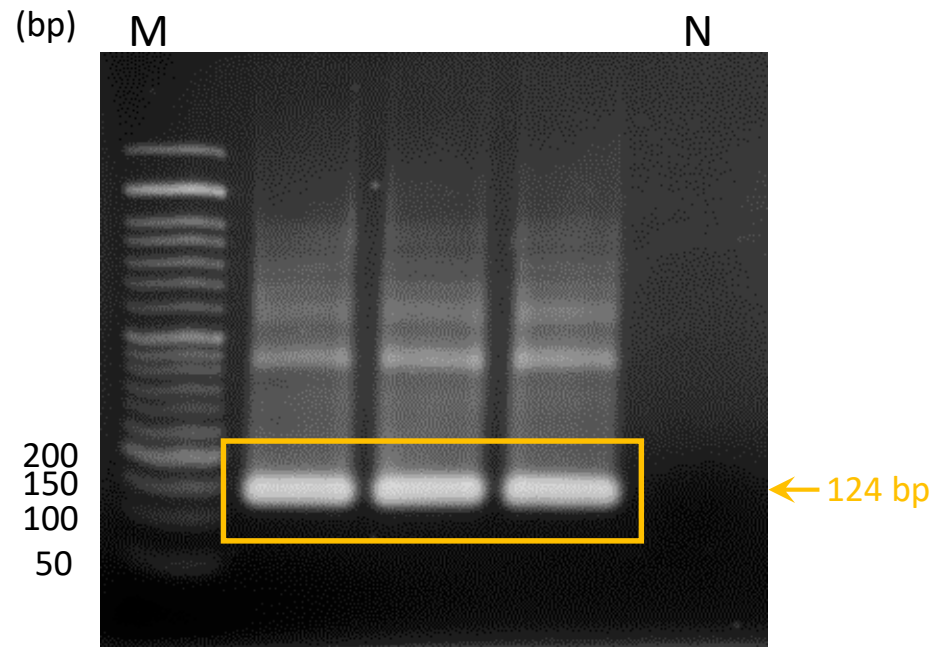
Procedure



1. Extract DNA from 20 mg of powdered samples by using Kaneka Easy DNA Extraction Kit version 2*.
2. Use Kaneka High-speed DNA Polymerase* for PCR.



Electrophoresis for confirming DNA amplification

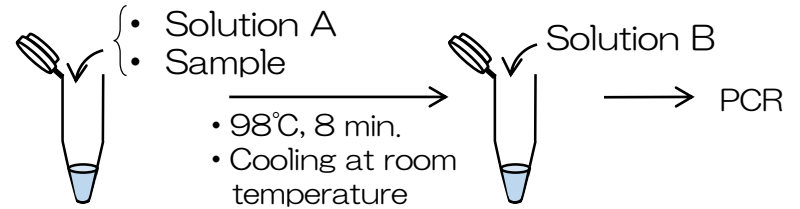


Kaneka DNA Easy Extraction Kit version 2 successfully extracted DNA from buckwheat seeds and Kaneka High-speed DNA Polymerase can amplify DNA from the extract.

* "Kaneka Easy DNA Extraction Kit version 2" and "Kaneka High-speed DNA Polymerase" are for research use only.

< Kaneka Easy DNA Extraction Kit version 2* > < Procedure >

- ✓ Simple procedure
- ✓ 10 minute extraction



< Sample: soybeans >



(Data obtained by our company)

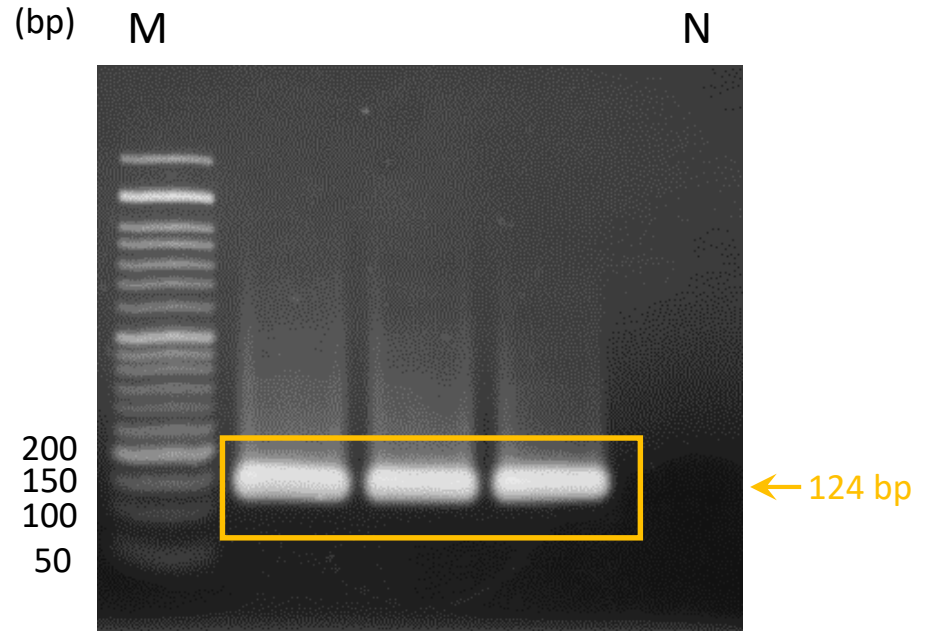
M: 50 bp DNA ladder marker
N: negative control (water)

Procedure

1. Extract DNA from 20 mg of powdered samples by using Kaneka Easy DNA Extraction Kit version 2*.
2. Use Kaneka High-speed DNA Polymerase* for PCR.



Electrophoresis for confirming DNA amplification

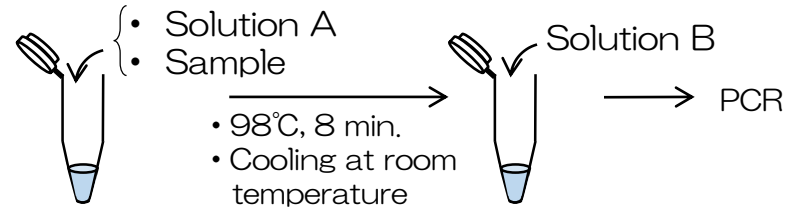


Kaneka DNA Easy Extraction Kit version 2 successfully extracted DNA from soybeans and Kaneka High-speed DNA Polymerase can amplify DNA from the extract.

* "Kaneka Easy DNA Extraction Kit version 2" and "Kaneka High-speed DNA Polymerase" are for research use only.

< Kaneka Easy DNA Extraction Kit version 2* > < Procedure >

- ✓ Simple procedure
- ✓ 10 minute extraction



< Sample: eucalyptus leaves >



Procedure

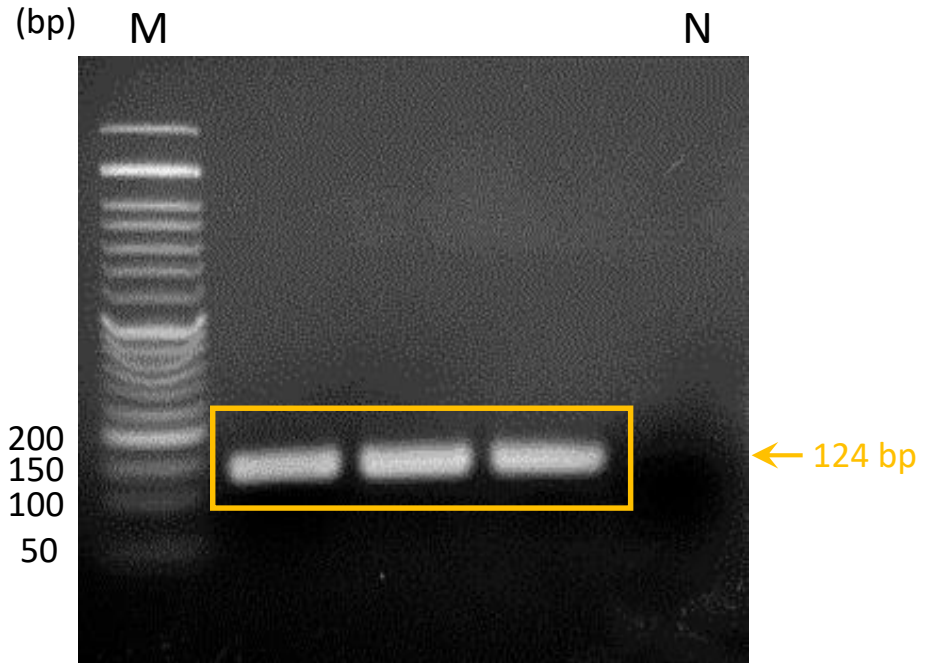
1. Cut a sample into 5 mm pieces.
2. Extract DNA from a pieces of cut samples by using Kaneka Easy DNA Extraction Kit version 2*.
3. Use Kaneka High-speed DNA Polymerase* for PCR.



Electrophoresis for confirming DNA amplification

(Data obtained by our company)

M: 50 bp DNA ladder marker
N: negative control (water)

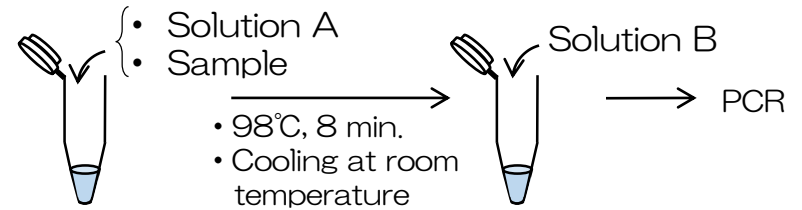


Kaneka DNA Easy Extraction Kit version 2 successfully extracted DNA from eucalyptus leaves and Kaneka High-speed DNA Polymerase can amplify DNA from the extract.

* "Kaneka Easy DNA Extraction Kit version 2" and "Kaneka High-speed DNA Polymerase" are for research use only.

< Kaneka Easy DNA Extraction Kit version 2* > < Procedure >

- ✓ Simple procedure
- ✓ 10 minute extraction



< Sample: blueberry >

(Data obtained by our company)

M: 50 bp DNA ladder marker
N: negative control (water)

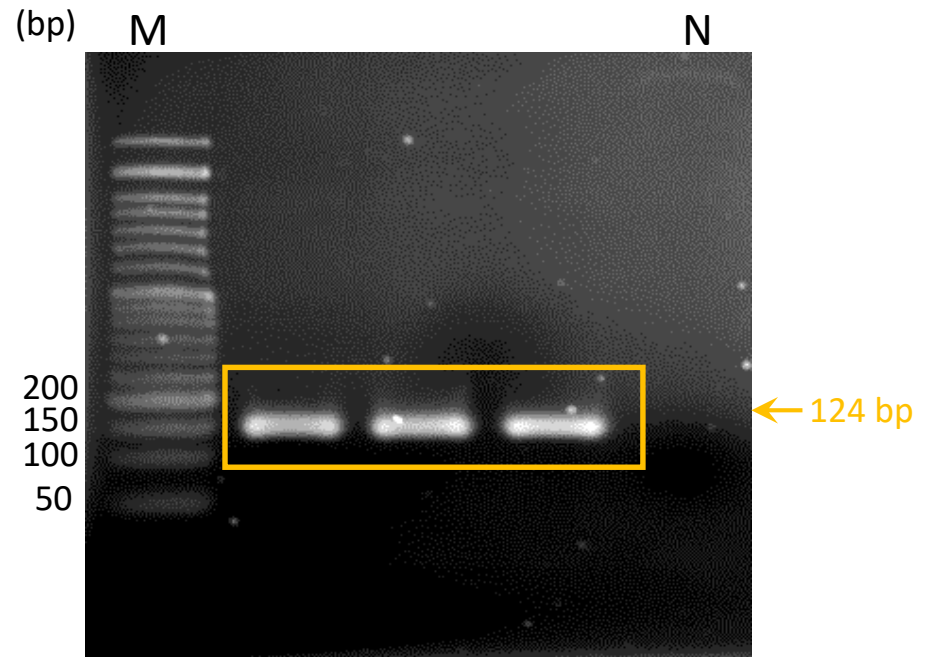
Procedure



1. Cut a sample into 5 mm pieces.
2. Extract DNA from a pieces of cut samples by using Kaneka Easy DNA Extraction Kit version 2*.
3. Use Kaneka High-speed DNA Polymerase* for PCR.



Electrophoresis for confirming
DNA amplification

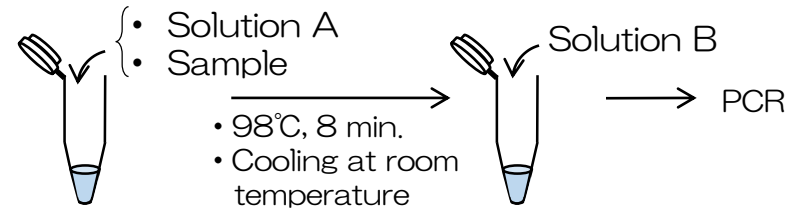


Kaneka DNA Easy Extraction Kit version 2 successfully extracted DNA from blueberries and Kaneka High-speed DNA Polymerase can amplify DNA from the extract.

* "Kaneka Easy DNA Extraction Kit version 2" and "Kaneka High-speed DNA Polymerase" are for research use only.

< Kaneka Easy DNA Extraction Kit version 2* > < Procedure >

- ✓ Simple procedure
- ✓ 10 minute extraction



< Sample: cranberry >

(Data obtained by our company)

M: 50 bp DNA ladder marker
N: negative control (water)

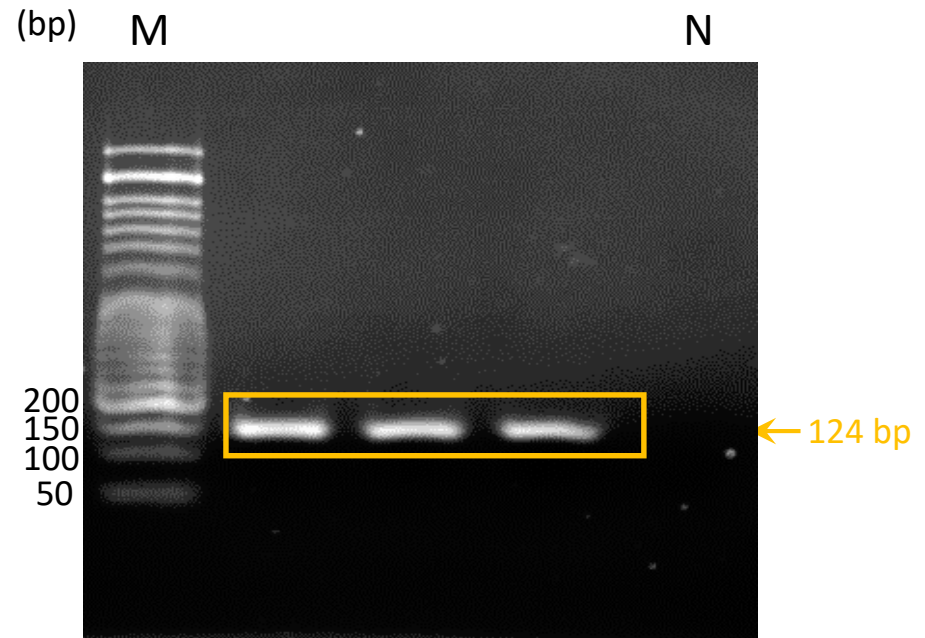
Procedure



1. Cut a sample into 5 mm pieces.
2. Extract DNA from a pieces of cut samples by using Kaneka Easy DNA Extraction Kit version 2*.
3. Use Kaneka High-speed DNA Polymerase* for PCR.



Electrophoresis for confirming DNA amplification



Kaneka DNA Easy Extraction Kit version 2 successfully extracted DNA from cranberry and Kaneka High-speed DNA Polymerase can amplify DNA from the extract.

* "Kaneka Easy DNA Extraction Kit version 2" and "Kaneka High-speed DNA Polymerase" are for research use only.