DATA SHEET

EZ-10 Spin Column Swab DNA Isolation Kit

Product information for T91912

Description : The kit is designed for isolation of genomic DNA from a variety of swab materials including buccal swab, virginal swab by using a rapid spin column format. DNA in lysates is selectively absorbed to the column, and other impurities such as proteins and salts do not bind to the column. DNA can be eluted in a small volume with water or TE buffer. Purified swab DNA can be used for PCR and other downstream applications. The kit is also suitable for DNA extraction from other clinical samples such as blood, dry blood and sperm.

Components :

Kit components:	
Components	**T91912 50 tests**
Sterile Swab	50
Universal Loading Buffer	25 ml
Universal Wash Buffer	50 ml
Universal Elution Buffer	5 ml
Spin Column	50
2 ml Collection Tube	50
Protocol	1

Features:

1. High quality. OD260/OD280 of purified swab DNA is generally >1.8. Purified DNA can be used directly for PCR, electrophoresis, hybridization and other applications. .
2. Fast and easy processing by using a rapid spin-column format. The entire procedure takes approximately 10 minutes.
3. Suitable for various clinic samples such as buccal swab, virginal swab, blood, dry blood and sperm.
4. Non toxic. No phenol extraction or ethanol precipitation required.

Protocol:

1. The swab specimen is collected by rubbing it firmly for 10 times at the buccal cavity. Be sure to move the brush over the entire cheek

2. Place the swab into a 1.5 ml micro centrifuge tube by either cutting of the handle with scissors or by breaking it at the break point. The swab should be short enough to allow the cap to close.
3. Add 0.5 ml of Universal Loading Buffer to the tube.
4. Vortex for 1 minute.
5. Transfer the lysate and the swab into the centre of a spin column.
6. Centrifuge at 10,000 g for 1 minute, discard the flow-through liquid and the swab.
7. Add 0.7mL Universal Wash Buffer, centrifuge at 10,000 g for 1 minute, and discard the flowthrough.
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8. Transfer the column into a clean 1.5 ml microtube, and add 50-100 µl of Universal Elution Buffer onto the centre of the column, keep for 2 minutes.
9. Spin at 10,000 g for 1 minute. Purified DNA is ready to use. Keep at -20°C for long term storage.

Transportation: At ambient temperature.
Storage: at 4°C. The kit is stable for 12 months.

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