

SPMED™ Pharmacogenetic Test Services

Preparation and Shipping of Specimen

Kind of Specimen

Specimen Type	Minimum Requirement	Storage Method
Whole Blood	≥500μℓ	Frozen(≤-20°C, < 12months)
DNA	≥1μg(≥20ng/μℓ)	Frozen(≤-20°C, < 12months)
Dried Blood Spot (DBS)	Diameter 2.5cm, Two pieces	Room Temperature (Dry, < 12months)

※ The required amount of specimen may vary depending on the specimen status or the number of genes(SNPs).

Precautions for each Specimen

1. Whole Blood

* Collection tube

: Use blood collection tube containing anticoagulant

* Kind of anticoagulant

: Heparin blood collection Tube, EDTA blood collection tube, Etc.

* How to collection

: After collecting more than 80% in blood collection tube, gently mix well with anticoagulant.

: Check the recommended capacity for each collection tube.

* Amount of specimen

: At least 500ul or more.

* Storage

: -20°C frozen state, within 12months

: -80°C frozen state, within 48months

: Do not repeat melting and freezing more than 5 times.



2. DNA

* Collection tube

: Dnase-free microcentrifuge tube, Cryovial

* How to Collection

: DNA should be extracted with a commercial kit and dissolved in sterile distilled water.

* Amount and quality of specimen

: At least 1μg, density is more than 20ng/μℓ.

: 260nmOD/280nmOD ratio = 1.6 ≤R≤2.0

: The required amount may vary depending on the sample status or the number of genes.



* Storage

: -20°C frozen state, within 12months

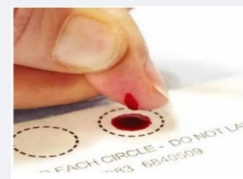
: -80°C frozen state, within 48months

: Do not repeat melting and freezing more than 5 times.

3. Dried Blood Spot(DBS)

* Collection kit

: FTA™ Mini Card



* How to Collection

: Ensure that both sides of the spot have enough blood to penetrate.

* Amount of Specimen

: Diameter 2.5cm, 2 pieces.

* Storage

: Dry at room temperature within 12 months.

Package for Specimen Delivery

* Please put plenty of dry ice and keep it frozen by sealing.

* If you move a long time, or hot season, please put an additional ice pack.

* Be careful not to defrost.



Criteria for Specimen incompatibility

- (1) Inability to clearly identify the specimen code
- (2) Lack of specimen volume or quality
- (3) Collection in improper container
- (4) A specimen solidified in an anticoagulant container
- (5) A specimen in which the storage state and the period are poor
- (6) When the specimen is poured and contaminated, or when another specimen is contained
- (7) A specimen containing a foreign substance

Address

* After consulting SPMED, please send the specimen to the address below.

* 611, New Industrial Factory Complex, 111, Hyoyeol-ro, Buk-gu, Busan, Republic of Korea
Precision Medicine Department, SPMED CO., Ltd



<http://www.spmed.kr>

SPMED (주)에스피메드

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