1. Whole Blood

* Collection tube: Use blood collection tube containing anticoagulant
  * How to collection: After collecting more than 80% in blood collection tube, gently mix well with anticoagulant.
  * Amount of specimen: At least 500μl or more.
  * Storage: -20°C frozen state, within 12 months

<table>
<thead>
<tr>
<th>Specimen Type</th>
<th>Minimum Requirement</th>
<th>Storage Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>Whole Blood</td>
<td>≥500μl</td>
<td>Frozen(-20°C, &lt; 12 months)</td>
</tr>
<tr>
<td>DNA</td>
<td>≥1μg(≥20ng/μl)</td>
<td>Frozen(-20°C, &lt; 12 months)</td>
</tr>
<tr>
<td>Dried Blood Spot(DBS)</td>
<td>Diameter 2.5cm, Two pieces</td>
<td>Room Temperature (Dry, &lt; 22 months)</td>
</tr>
</tbody>
</table>

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

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.
  * Storage: -20°C frozen state, within 12 months
  * -80°C frozen state, within 48 months
  * 260nmOD/280nmOD ratio = 1.6 ≤ R ≤ 2.0
  * The required amount may vary depending on the sample status or the number of genes.

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

Precautions for each Specimen

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.
  * Storage: -20°C frozen state, within 12 months
  * -80°C frozen state, within 48 months
  * 260nmOD/280nmOD ratio = 1.6 ≤ R ≤ 2.0
  * The required amount may vary depending on the sample status or the number of genes.

Contact Us

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