



Specimen Collection and Transportation Requirement

Reproductive Genetic Testing

Test Item	➤ Preimplantation Genetic Testing for Aneuploidy (PGT-A)		
Specimen	Container	Requirement	Note
Embryo	0.2 ml Eppendorf 	<ul style="list-style-type: none"> ✓ Lay embryo biopsy at the bottom of Eppendorf and close the cap tightly. ✓ Store and transport: -25~-15°C ✓ Complete specimen record form, and ensure the name and quantity of submitted embryos are consistent with specimen record form before specimen delivery. 	<ul style="list-style-type: none"> ✓ Please contact sales to send consumables in advance and follow specimen collection instruction of PGT-M/ PGT-A for storage and delivery. ✓ Freeze ice packs in the -20°C fridge one day before specimen delivery ✓ Place collection tube into dedicated box for transportation.
Information	<ol style="list-style-type: none"> 1. Turnaround time: 8 working days 2. Documents to be attached when submitting for testing <ul style="list-style-type: none"> ✓ Consent form: Preimplantation Genetic Testing for Aneuploidy (PGT-A) Consent Form ✓ Other: Specimen Recording Form 3. Each specimen requires to be labeled with patient' s information sticker and completed consent form. Please deliver to Sofiva Genomics within 3 days after sampling. 4. Whether it is possible to increase the testing or re-testing: <input type="checkbox"/>No <input checked="" type="checkbox"/>Yes; the rest of the items need to be submitted within one month, and someone shall confirm with the laboratory whether the remaining samples are sufficient and fill in the consent form for the test items. 5. One month after the completing the test, the remaining specimen will be discarded without notice. If need to modify the submitter's information, please submit it within six months after the completion of the report. Overdue submissions will not be accepted. 6. The personal data of the subject is only used for the relevant test process; unless the subject agrees, it shall not be used for other unrelated purposes to protect personal privacy. 7. If you have any questions about the test, please contact with Sofiva Genomics Medical Laboratory; the business hours are from Monday to Friday, 08:30~17:30; the phone number is +886-2-2382-6663. 		





Specimen Collection and Transportation Requirement

Reproductive Genetic Testing

Test Item	➤ Preimplantation Genetic Testing for Monogenic Diseases (PGT-M) (Must finish the family specific probes design before sending embryo)		
Specimen	Container	Requirement	Note
Embryo	0.2 ml Eppendorf 	<ul style="list-style-type: none"> ✓ Lay embryo biopsy at the bottom of Eppendorf and close the cap tightly. ✓ Store and transport: -25~-15°C ✓ Complete specimen record form, and ensure the name and quantity of submitted embryos are consistent with specimen record form before specimen delivery. 	<ul style="list-style-type: none"> ✓ Please contact sales to send consumables in advance and follow specimen collection instruction of PGT-M/ PGT-A for storage and delivery. ✓ Freeze ice packs in the -20°C fridge one day before specimen delivery ✓ Place collection tube into dedicated box for transportation.
Information	<ol style="list-style-type: none"> 1. Turnaround time: 10 working days 2. Documents to be attached when submitting for testing <ul style="list-style-type: none"> ✓ Consent form: Preimplantation Genetic Testing for Monogenic Disease (PGT-M) Consent Form ✓ Other: Specimen Recording Form 3. Each specimen requires to be labeled with patient' s information sticker and completed consent form. Please deliver to Sofiva Genomics within 3 days after sampling. 4. Whether it is possible to increase the testing or re-testing: <input type="checkbox"/>No <input checked="" type="checkbox"/>Yes; the rest of the items need to be submitted within one month, and someone shall confirm with the laboratory whether the remaining samples are sufficient and fill in the consent form for the test items. 5. One month after the completing the test, the remaining specimen will be discarded without notice. If need to modify the submitter's information, please submit it within six months after the completion of the report. Overdue submissions will not be accepted. 6. The personal data of the subject is only used for the relevant test process; unless the subject agrees, it shall not be used for other unrelated purposes to protect personal privacy. 7. If you have any questions about the test, please contact with Sofiva Genomics Medical Laboratory; the business hours are from Monday to Friday, 08:30~17:30; the phone number is +886-2-2382-6663. 		




Specimen Collection and Transportation Requirement

Reproductive Genetic Testing

Test Item	➤ Preimplantation Genetic Testing for Monogenic Diseases (PGT-M)-Family Specific Probes Design		
Specimen	Container	Requirement	Note
Blood (Cord Blood)	EDTA Collection Tube (Purple) 	<ul style="list-style-type: none"> ✓ Sample volume: 3~5 ml of peripheral blood or 1~3 ml of cord blood ✓ Store and transport: 2~8°C 	<ul style="list-style-type: none"> ✓ Gently invert the tube 10 times immediately after collection to ensure proper mixing with the anticoagulant. ✓ Place collection tube into dedicated box for transportation. ✓ If there is blood transfusion, blood should be drawn after more than three months. If there is bone marrow transplant, please use 5 buccal swabs for examination.
Blood	Dried Blood Spot Card (PerkinElmer) 	<ul style="list-style-type: none"> ✓ Sample volume: 5 spots of heel-prick blood and completely fill and saturate the circles. ✓ Store and transport: air dry, then store and transport at 25°C 	<ul style="list-style-type: none"> ✓ Do not touch the blood spot and do not stack cards on top of each other. ✓ Place into a clear zipper bag.
Buccal Cell	Buccal swab 	<ul style="list-style-type: none"> ✓ Sample volume: 5 of sampling swab and rotate swab against the mucosa for 15 times of each swab. ✓ Store and transport: 2~8°C 	<ul style="list-style-type: none"> ✓ Gargle mouth with water or mouthwash, do not eat or drink for at least 30 minutes before swabbing. ✓ Rotating swab while swabbing buccal cells within both cheeks, avoid touching teeth and tongue. ✓ Place the swab back into the tube carefully.
DNA	1.5 ml or 1.75 ml Eppendorf 	<ul style="list-style-type: none"> ✓ Sample volume: DNA concentration >50 ng/μl; volume >50 μl (OD 260/280 ratio between 1.8~2.0). ✓ Store and transport: stored at -25~-15°C; transport at 2~8°C 	<ul style="list-style-type: none"> ✓ Specify the origin of DNA at consent form. ✓ Close the cap tightly and seal with parafilm. ✓ Place sample tube into zipper bag in dedicated box with ice packs for transportation.

Specimen Collection and Transportation Requirement

Reproductive Genetic Testing

<p>Uncultured Amniotic Fluid</p>	<p>Syringe (NOT made in China) 15 ml Sterile Centrifuge Tube</p>		<ul style="list-style-type: none"> ✓ Sample volume: 15 ml ✓ Store and transport: 2~8°C 	<ul style="list-style-type: none"> ✓ Seal the joint between syringe and needle with parafilm or breathable tape. ✓ Place syringe into dedicated Styrofoam box for transportation ✓ If using the centrifuge tube, seal the cap with parafilm.
<p>Cultured Amniotic Fluid/ Chorionic villus</p>	<p>25T Flask 15 ml Sterile Centrifuge tube</p>		<ul style="list-style-type: none"> ✓ Sample volume: 1x10⁶ cells (50% confluent in 25T flask or 80% confluent in 35mm culture dish) ✓ Soak in culture medium. ✓ Store and transport: 2~8°C 	<ul style="list-style-type: none"> ✓ Collect cells into a 15 ml centrifuge tube from 35mm culture dish. ✓ Fill 25T flask or 15 ml centrifuge tube with medium and seal the cap with parafilm for transportation.
<p>Fresh Tissue (Including placenta, umbilical cord, products of conception, etc.)</p>	<p>50 ml or 70 ml Sterile Sample Container</p>		<ul style="list-style-type: none"> ✓ Sample volume: 1~2 cm (10~50 mg) for umbilical cord; 2 sets of 1~2 cm³ for tissue and placenta. ✓ Soak in culture medium, PBS or normal saline with antibiotics. ✓ Store and transport: 2~8°C 	<ul style="list-style-type: none"> ✓ Try to take samples with different sections (contained in separated containers). ✓ Fill sample container with culture medium, PBS or culture medium with antibiotics over the top of samples and ensure processing without contamination. ✓ Seal sample container with parafilm, and place the container into zipper bag for transportation.
<p>Information</p>	<ol style="list-style-type: none"> 1. Turnaround time: 6~8 weeks 2. Documents to be attached when submitting for testing <ul style="list-style-type: none"> ✓ Consent form: Preimplantation Genetic Testing for Monogenic Disease (PGT-M) for Probe Design Consent Form ✓ Other: Husband and wife' s genetic testing report and clinical information 3. Each specimen requires to be labeled with patient' s information sticker and completed consent form. Please deliver to Sofiva Genomics within 3 days after sampling. 4. Whether it is possible to increase the testing or re-testing: <input type="checkbox"/>No <input checked="" type="checkbox"/>Yes; the rest of the items need to be submitted within one month, and someone shall confirm with the laboratory whether the remaining samples are sufficient and fill in the consent form for the test items. 5. One month after the completing the test, the remaining specimen will be discarded without notice. If need to modify the submitter's information, please submit it within six months after the completion of the report. Overdue submissions will not be accepted. 6. The personal data of the subject is only used for the relevant test process; unless the subject agrees, it shall not be used for other unrelated purposes to protect personal privacy. 7. If you have any questions about the test, please contact with Sofiva Genomics Medical Laboratory; the business hours are from Monday to Friday, 08:30~17:30; the phone number is +886-2-2382-6663. 			