Acceptance of samples from patients with specified infectious diseases

According to our regulations and the Infectious Diseases Control Law (Act on the Prevention of Infectious Diseases and Medical Care for Patients with Infectious Diseases), we cannot accept samples from patients with confirmed infectious diseases, suspected disease carriers, and asymptomatic carriers.
Please refer to the following diseases.
[Specified Infectious Diseases]
・Class I Infectious Diseases
Ebola haemorrhagic fever, Crimean-Congo haemorrhagic fever, smallpox, South American hemorrhagic fever, plague, Marburg disease, Lassa fever

The storage period of the submitted sample

The samples are stored for 3 weeks from the request day, and covering requests for retests and additional tests. However, the samples for a peripheral blood test and some other tests will be stored for 1 week. SRL will dispose of the samples after the storage period is over. If a test is outsourced by SRL to an external site, the samples will be stored in compliance with the regulations of the site. Samples for new types of infectious diseases that have not yet been established may be disposed of without storage.

About use of specimens that have passed the storage period for the purpose of accuracy control, etc

After the storage period has elapsed, the samples may be processed to prevent identification of personal information, and then used for the purpose of accuracy control, etc. On the other hand, in tests that include measurement using a next-generation sequencer, the nucleotide sequence information obtained may be used as a personal identification code. The tested samples and the nucleotide sequence information themselves, which are stored with the personal identification code, cannot be irreversibly separated from the tested samples from the personal identification of the nucleotide sequence, or the personal identification information from nucleotide sequence data cannot be removed from tested samples, when they are used for the purpose of accuracy control, for example. Therefore, only in such cases, the nucleotide sequence data can be used for accuracy control without removing the personal identifiers of the nucleotide sequence data. However, we will strive to protect personal information by limiting the handling of nucleotide sequence information and tested samples to those inspectors who have completed a training program for the protection of personal information.

Statistic information

Please note the following points before requesting the test.
・We may prepare statistic information based on the information of specimen test consigned by you. Statistic information is the information obtained collectively by each category after eliciting items regarding common factors from information on several persons, and thus, cannot identify subjects or you. The examples of such information are the number of consigned tests and positive rate per individual test item by subjects' demographics such as specific region/time period, and age/ sex.
・The prepared statistic information will be used for our verification of test precision, referred in the field of public health epidemiology, reported on our homepage etc., and utilized for development/provision of products/service of ours or a third party.

Points to note before requesting test items for RIA

Please note that remaining isotope administered to *in vivo* in scintigraphy, etc. may result in abnormal values in RIA.

Disclaimer

Tests are conducted according to SRL criteria; however, depending on the condition of the sample we receive, technical limitations of the test methods, etc., the results may not be suitable to determine clinical diagnosis. In this case, SRL will not be responsible for the test results.

Retest

Retests are conducted according to SRL criteria.
If the sample you submitted does not satisfy the required test volume, retests cannot be conducted.

Contents for General Test Information

1. Specimen requirement : the sample volume is set considering the volume for the retest. Please collect serum or plasma sample of about 3 times more than the required volume. (Please see page ① for blood sampling method)

2. Storage : Please submit samples stored in the specified manner.

F Submit the sample under frozen conditions (≤ -10°C).
R Submit the sample under refrigeration (2°C–15°C).
R Submit the sample at room temperature (16°C–30°C).

3. Reference range : "Normal reference values and criteria" is described as REFERENCE RANGE for SRL. "REFERENCE RANGE" includes reference range and clinical judgement range.

4. Turnaround time (day) : The period is, in principle, from the day after we received the sample to the day the results are delivered to you (including Saturdays and Sundays). Please be aware that there may be delays in receiving results for the following circumstances.

- In the event of a retest or when submitted just before/after a national holiday
- In the event materials in the order do not match the description
- In the event an order is placed at the same time as a test item with the freeze symbol
- In the event an order that, due to unavoidable circumstances, has been placed at the same time as one with the no overlapping requests symbol.

5. Sample collection conditions : The following are some points to note when collecting samples appropriately. (See COMMENT or container handling method.)

6. Conditions for submission : Items such as whether serum separation is required or not are essential for appropriate test/measurement. (See COMMENT or container handling method.)

Immediately After blood sample collection, avoid long-time storage at room temperature and centrifuge it immediately. Some items have designated time to centrifuge, while others require cooling prior to pretreatment or centrifuge. See COMMENT or container handling method as well.

Refrigerated Please centrifuge the samples at low temperature (4°C).

7. Test value range for emergency report Emergency : The test value range for emergency report (See page 1) is set. If a value exceeds the range, we will contact you immediately.

8. Reserved test Reservation : An advanced reservation is required for the test. Please contact your nearest office prior to taking the sample.

9. The specified days of the week Specified days : Make sure that the day of the week (except holidays) is specified to receive the sample. See COMMENT in the text for acceptable days.

Major units and symbols

L	liter	M	mol/L
dL	deciliter (=0.1 L)	mmol	millimole (=0.001 mol)
mL	milliliter (=0.001 L)	μmol	micromole (=10^{-6} mol)
μL	microliter (=10^{-6} L)	nmol	nanomole (=10^{-9} mol)
fL	femtoliter (=10^{-15} L)	pmol	picomole (=10^{-12} mol)
kg	kilogram	fmol	femtomole (=10^{-15} mol)
g	gram	mm	millimeter
mg	milligram (=0.001 g)	mm^2	squaremillimeter
μg	microgram (=10^{-6} g)	mm^3	cubicmillimeter
ng	nanogram (=10^{-9} g)	μ^3	cubicmicron
pg	picogram (=10^{-12} g)	Meq	megaequivalents
U	unit	mEq	milliequivalent
mU	milliunit (0.001 U)	mOsm	milliosmole
μU	microunit (10^{-6} U)	%	percent
IU	international unit	‰	permill
mIU	milliinternational unit (=0.001 IU)	cpm	counts per minutes
AU	arbitrary unit	U_A	unit allergen

List of markers

Notifications/ report	Reserved test Reservation	An advanced reservation is required for the test. Please contact the office nearest you prior to taking the sample.
	Specified days of the week Specified days	Make sure that the day of the week (except holidays) is specified to receive the sample. See COMMENT in the text for acceptable days.
	Emergency Emergency	The test value range for emergency report (See page 1) is set. If a value exceeds the range, we will contact you immediately.
	Human ethics Ethics	Subject to ethical guidelines for human genes. Please contact the person in charge in advance.
	PGx PGx	Subject to pharmacogenomics (PGx). Please contact the person in charge in advance.
	Overseas recommission	The samples are delivered overseas. The final test is conducted in the US. Please note that the samples you provide will not be returned.
	No overlapping requests ~~overlap~~	Avoid putting in another request at the same time. Please note that the number of days required may vary if there is an unavoidable duplication of requests with other items.
Sample handling method	Centrifuge immediately Immediately	After blood (urine) sample collection, avoid long-time storage at room temperature and centrifuge it immediately. Some items have a designated time to centrifuge, while others require cooling prior to pretreatment or centrifuge. See COMMENT or dedicated container handling method as well.
	Refrigerated centrifuge Refrigerated	Please centrifuge the samples at low temperature (4°C).
	Freeze F	Submit the sample under frozen conditions (≤ -10°C).
	Refrigeration R	Submit the sample under refrigeration (2°C–15°C). Please freeze the sample for long-term storage, except for items marked with ~~Freeze~~.
	Room temperature R	Submit the sample at room temperature (16°C–30°C).
	Light shielding Light Shielding	Avoid direct sunlight or fluorescent lamp light and submit samples with a light-shielding container.
Effect on values	No hemolysis ~~Hemolysis~~	Avoid hemolytic samples that may affect test values.
	No inactivation ~~Inactivation~~	Avoid inactivated samples that may affect test values.
	No acid urine collection ~~Acid Urine~~	Avoid acid urine collection that may affect test values.
	No freezing ~~Freeze~~	Avoid freezing at ≤ -10°C that may affect test values.

How to read the test name column

The period is from the day after we receive the sample to the day the results are delivered to you. Additional days are necessary for retests or before and after holidays.

Methodology names are shown. Please see pages A–E for overview of methodology.

Test name

Points to note before requesting tests.

Code When requesting items in the "Margin" column of the request form, fill out all alphabets and numbers.

	CODE	TEST NAME	SPECIMEN REQUIREMENT (mL)	CONTAINER	STORE TEMPERATURE (STABILITY)	TURNAROUND TIME (DAY)	METHODOLOGY	REFERENCE RANGE (UNIT)	COMMENT
proteins, serum colloid reaction	0381 2	Protein, total (TP)	serum 0.5	S09 ⬇ A00	R (1 month)	2–4	Biuret method	6.7–8.3 (g/dL)	
	5203 9		CSF 0.5	A00	R		Pyrogallol red method	15–45 (mg/dL)	
	0246 3		urine collected for 24 hrs. 0.5	U00	R			31.2–120.0 (mg/day)	
	5059 2	Albumin (Alb)	serum 0.5	S09 ⬇ A00	R (21 days)	2–4	Improved BCP method	3.8–5.2 (g/dL)	Reaction method with BCP, highly specific to human albumin.
	0721 4	Albumin, Urine	urine collected for 24 hrs. 0.5	U00	R (1 month)	2–4	Turbidimetric immunoassay (TIA)	2–20 (mg/day)	~~Acid Urine~~
	5106 7	Albumin, Urine (creatinine ratio)	random urine 1	U00	R (1 month)	2–4	Turbidimetric immunoassay (TIA)	Urinary albumin ratio ≤ 10.0 (mg/g CRE)	~~Acid Urine~~
	0382 0	A/G ratio	serum 0.5	S09 ⬇ A00	R (1 month)	2–4	Improved BCP method/ Biuret method	1.1–2.1	
	6510 5	Protein fractionation	serum 0.3	S09 ⬇ A00	R	2–4	Capillary electrophoresis	ALB 55.8–66.1 (%) α1-globulin 2.9–4.9 (%) α2-globulin 7.1–11.8 (%) β1-globulin 4.7–7.2 (%) β2-globulin 3.2–6.5 (%) γ-globulin 11.1–18.8 (%) A/G 1.3–1.9	~~Hemolysis~~ Avoid hemolytic samples.
	2265 1	Urine protein fractionation	random urine 1	U00	R		Agarose gel electrophoresis	(%)	Make sure to order Code No. 6510 5: Protein fractionation for serum specimens.
							A modified standard		

The following are the storage conditions for submission. Please note that these are not storage conditions after blood collection. The stability in parentheses presents a rough indication of time possible for sample storage based on our data.

See below.

Refer to the following examples for handling containers. Some items have specific conditions for handling containers. See COMMENT or container handling method as well.

(Ex.1) serum samples

SPECIMEN REQUIREMENT (mL)	CONTAINER
serum 0.5	S09 ⬇ A00

Collect blood samples in the container for general purpose use (S09).
After centrifuge, pipet 0.5 mL of serum into the (A00) container and submit it.
Please collect 3 times more serum or plasma sample than the required volume.

(Ex.2) when transferring a sample into a container with additives and submitting the supernatant after centrifuge

SPECIMEN REQUIREMENT (mL)	CONTAINER
plasma 0.5	PN2, PN5 ⬇ A00

Collect blood samples in the container designated by SRL (PN2, PN5).
After centrifuge, pipet 0.5 mL of plasma into the (A00) container and submit it.
Please collect 3 times more serum or plasma sample than the required volume.

(Ex. 3) blood sample with additives

SPECIMEN REQUIREMENT (mL)	CONTAINER
whole blood 5.0 (with EDTA-2Na)	PN7

Pipet 5.0 mL of blood into the container designated by SRL (PN7). Mix it well and submit it.
Use the same container (PN7) for collection and submission.
Do not transfer into a different container.