5　その他　この導入計画の詳細は導入説明書による。なお、本公表内容は予定であり、変更することがあり得る。

6　Summary

⑴　Classification of the products to be procured : 22

⑵　Nature and quantity of the products to be purchased : Analyzer system for infection and sampling 1 Set

⑶　Type of the procurement : Purchase

⑷　Basic requirements of the procurement :

①　Analyzer system for infection 1 set

（Ⅰ　Automated Microbiology analyzer 1 set）

A　Automated drug identification and sensitivity analyzer system

a　A microplate used for this system should be equipped with visible analysis.

b　Standard results of this system should be controlled in accordance with CLSI procedure, and its software should be updated for free at any time.

c　In case of Holidays or possible system failure, the microplate to be used in this automated identification and sensitive system should be equipped with selfanalysis function.

B　Dispenser for fungus liquid 1 set

a　The function should be equipped with automated pipetting for fungus liquid, as well as the broth fungus liquid.

b　Pipetting discrepancy should be with in ±10%.

c　Pipetting parts are sealed in order to prevent contamination.

C　Anaerobic Incubator 1 set

a　The system should be for isolation culture and the sample should be maintained anaerobic, and incubated in the chamber.

b　The temperature and humidity should be automatically controlled in chamber inside.

c　The system can be stored more than 270 petri dishes.

D　Semi-automated drug identification analysis system 1 set

a　The instrument should be image processing analysis captured by CCD Camera.

b　Photographic date for this instrument should indicate in color image.

c　This instrument should be measured and analyzed in images, even connected with external PC.

d　Pipetting for 96 well microplate should be completed in 1 cycle.

E　Mycobacterium culture analysis system 1 set

a　The principle of detection is using fluorescence sensor which is not affected by pH, and it monitors residual oxygen inside the cultured tube.

b　One instrument can measure more than 960 tubes simultaneously.

c　After specimen preparation, the system can automatically culture and determine the mycobacterium as positive or negative result.

F　Microscope photographic capturing system 3 sets

a　The instrument should be obtained more than 17 megapixel resolution to maintain clear image, even if graphic image is extended.

b　Image capture time should be about 4 seconds even for this instrument's maximum size.

c　The operational laptop PC should be common usage for microbiology system.

G　Universal refrigerated Centrifuge 1 set

a　The maximum Rotation per Min, should be more than 8,500 rpm. The maximum centrifugal force should be more than 9,690 xg.

b　A safety cabinet with UV lamp should be equipped in order for prevention of biohazard materials.

H　Micro refrigerated centrifuge 1 set

a　The maximum Rotation per Min, should be more than 15,000 rpm. The maximum centrifuge force should be more than 22,140 xg.

b　PCR tube should be usable without adapter.

c　A safety cabinet with UV lamp should be equipped in order for prevention of biohazard materials.

I　Vortex mixer

a　The rotation speed range should be 0 to 3000 rpm.

J　Incubator 1 set

a　Operating temperature is minimum −10 ℃ to +60 ℃ (Wide rage is preferable)

b　The capacity should be more than 230 L.

K　Low temp. Incubator 1 set

a　It provides stable temperature and high stable humidity applying for warm mist humidifier method.

b　The capacity should be more than 160 L.

L　CO_2 Incubator 1 set

a　It provides stable temperature and high stable humidity applying for warm mist humidifier method.

b　The capacity should be more than 160 L.

M　Ultra Low temperature freezer

a　The maximum more than −80 ℃ is required.

b　The capacity should be more than 330 L.

N　Data analysis system 1 set

a　It should be Laptop PC with 15.6 inch wide TFT color monitor LCD.

b　OS function should be same as Windows 8 Pro (64bit).

c　Hard Drive Disk capacity should be more than 500 GB and memory should be more than 2 GB.

（Ⅱ　Genetic Testing System 1 set）

A　Fully Automated Nucleic acid extraction and amplification instrument

a　Fully Automated extraction function of the nucleic acid and function of amplification and detection of target sample.

b　Maximum more than 24 sample should be analyzed simultaneously.

c　Both DNA and RNA should be measured simultaneously.

d　Nucleic acid amplification is applied for Polymerase Chain Reaction (PCR) method.

B　PCR workstation

a　Workable space should be secured more than Wide 700 ㎜, and Depth 500 ㎜.

b　The system provides to capture filtering outer air treated with UV ramp and HEPA filter to the inside the station.

C　Sequencing analysis instrument 1 set

a　More than 5 phoresis mode can be detected for Sequencing analysis.

b　Multi application analysis should be identified with Capillary and Polymer.

c　Applying Automated filling polymer.

d　More than 500 base pair sequencing should be analyzed with more than 250 sample specimen within 24 hours.

D　Gel Imager 1 set

a　System can be captured DNA image of Agarose gel after electrophoresis irradiating UV.

b　Imaging should be captured and printed out.

c　Imaging should be created as electric file capturing in PC and saved.