[Document Name] Claims

1. A biological information measurement system that presents detection measurement results for evaluation of physical condition of a test subject based on defecation gas discharged into a bowl of a flush toilet, the biological information measurement system comprising:

a test subject-side device provided in a room where the flush toilet is installed, and a server communicable with the test subject-side device,

wherein the test subject-side device comprises

a suction device that sucks gas in the flush toilet,

a gas detector comprising a first gas sensor configured to detect odiferous gas containing a sulfur component, which are contained in the gas sucked by the suction device, and the first gas sensor outputs first detection data, and a second gas sensor configured to detect a healthy-state gas and the second gas sensor outputs second detection data,

a test subject identification device that accepts input of test subject identification information,

a control device that controls the suction device and the gas detector, and

a communication device that transmits measurement data including the first detection data of the odiferous gas detected by the gas detector to the server,

the server comprises

a database in which the measurement data including the first detection data of the odiferous gas and the second detection data of the healthy-state gas detected by the gas detector is accumulated and recorded with a date and time information by being associated with the test subject identification information accepted by the test subject identification device,

a server-side data analyze means that analyzes the physical condition of the test subject on the basis of a time-dependent variation tendency of the

measurement data accumulated and recorded in the database, and

a server-side output device that outputs an analysis result by the server-side data analyze means.

2. The biological information measurement system according to claim 1, wherein the test subject-side device further comprises

a test subject-side data analyze means that analyzes biological information of the test subject on the basis of the time-dependent variation tendency of the measurement data, and

a test subject-side output device that outputs an analysis result of the physical condition by the test subject-side data analyze means.

3. The biological information measurement system according to claim 2, wherein a first analysis by the test subject-side data analyze means is performed before a second analysis by the server-side data analyze means.

4. The biological information measurement system according to claim 3, wherein the analysis result outputted by the server-side output device includes a determination result concerning a disease, and

the analysis result outputted by the test subject-side output device includes a history of the measurement data, and does not include a determination result concerning the disease.

5. The biological information measurement system according to claim 3, wherein the test subject-side data analyze means analyzes biological information of the test subject on the basis of partial data of the measurement data during a defecation act, and

the server-side data analyze means analyzes biological information of the test subject on the basis of data in a longer period than the partial data of the measurement data during the defecation act.

6. The biological information measurement system according to claim 5,

wherein measurement data in an entire period of the defecation act is recorded in the database, and

the server-side data analyze means analyzes biological information of the test subject on the basis of the measurement data in the entire period of the defecation act.

7. The biological information measurement system according to claim 5,

wherein the test subject-side data analyze means further comprises a reliability determination circuit that determines a reliability of the first detection data outputted by the gas detector, and

the test subject-side data analyze means analyzes biological information of the test subject on the basis of measurement data based on reliability determined by the reliability determination circuit.

8. The biological information measurement system according to claim 7,

wherein the test subject-side data analyze means analyzes biological information on the basis of data of an initial defecation gas detecting period during a defecation act in the measurement data.

9. The biological information measurement system according to claim 2,

wherein the test subject-side data analyze means further comprises a reliability determination means that determines a reliability of the first detection data outputted by the gas detector,

the reliability as well as the measurement data is recorded in the database, and

the reliability as well as an analysis result is outputted to the server-side output device.

10. The biological information measurement system according to claim 1,

wherein the test subject-side device further comprises an input device,

the input device accepts input of a defecation history information concerning a defecation history situation of the test subject,

the defecation history information is recorded in the database, with the measurement data, and

the defecation history information as well as an analysis result is outputted to the server-side output device.

11. The biological information measurement system according to claim 1,

wherein the test subject-side device further includes a stool state determination sensor that determines at least one of an amount of a stool defecated by a test subject, and a state of the stool,

the database records stool state information including at least one of the amount of a stool and the state of the stools, with the measurement data, and

the stool state information as well as an analysis result is outputted to the server-side output device.

12. The biological information measurement system according to claim 2,

wherein the test subject-side data analyze means further comprises a reliability determination means that determines reliability of the first detection data outputted by the gas detector, and

the test subject-side device does not transmit the measurement data to the server, when reliability determined by the reliability determination means is 1 or less.

13. The biological information measurement system according to claim 2,

wherein the test subject-side data analyze means analyzes biological information of the test subject on the basis of the measurement data recorded

in the database of the server.

14. The biological information measurement system according to claim 2,

wherein the server configures new reference data to be a reference of analysis by the test subject-side data analyze means, on the basis of the measurement data accumulated and recorded in the database, and

reference data of the test subject-side data analyze means is updated to the new reference data configured by the server.

15. The biological information measurement system according to any one of claims 1 to 14,

wherein the gas detector is further sensitive to healthy-state gas composed of at least one of hydrogen gas, carbon dioxide, and methane gas contained in gas sucked by the suction device, and outputs second detection data,

the measurement data includes the second detection data of the healthy-state gas.