What is claimed is:

1. A method for analyzing a urine sample comprising the steps of:

preparing a measurement sample by mixing the urine sample, a first reagent containing a fluorescent dye configured to stain nucleic acid and, a second reagent containing acetic acid and/or a salt thereof as an antiseptic agent,

obtaining optical information by irradiating urinary particles contained in the measurement sample obtained in the preparation step with light and a surfactant for lysing erythrocytes and damaging urinary particles having nucleic acid so as to be permeable to the fluorescent dye, and

detecting at least sperms and yeast-like fungi as urinary particles on the basis of the optical information obtained in the obtention step.

2. The method for analyzing the urine sample according to claim 1, wherein the optical information is scattered light information and fluorescence information.

3. The method for analyzing the urine sample according to claim 1, wherein the surfactant is at least one selected from a cationic surfactant and a nonionic surfactant.

4. The method for analyzing the urine sample according to claim 3, wherein the cationic surfactant is selected from a quaternary ammonium salt type surfactant and a pyridinium salt type surfactant; and

wherein the nonionic surfactant is selected from a polyoxyethylene-based nonionic surfactant.

5. The method for analyzing the urine sample according to claim 3, wherein the cationic surfactant is dodecyltrimethylammonium bromide.

6. The method for analyzing the urine sample according to claim 1, wherein pH of the second reagent is higher than or equal to 3 and lower than or equal to 6.

7. The method for analyzing the urine sample according to claim 1, wherein the second reagent further contains a chelating agent.

8. The method for analyzing the urine sample according to claim 7, wherein the chelating agent is ethylenediaminetetraacetate (EDTA salt).

9. A reagent kit for analysis of urine sample for detecting sperms and yeast-like fungi in the urine sample by differentiating therebetween, comprising:

a first reagent containing a fluorescent dye configured to stain nucleic acid, and

a second reagent containing acetic acid and/or a salt thereof as an antiseptic agent and a surfactant for lysing erythrocytes and damaging urinary particles having nucleic acid so as to be permeable to the fluorescent dye.

10. The reagent kit for analysis of urine sample according to claim 9, wherein the surfactant is at least one selected from a cationic surfactant and a nonionic surfactant.

11. The reagent kit for analysis of urine sample according to claim 10, wherein the cationic surfactant is a quaternary ammonium salt type surfactant and a pyridinium salt type surfactant; and

wherein the nonionic surfactant is a polyoxyethylene-based nonionic surfactant.

12. The reagent kit for analysis of urine sample according to claim 10, wherein the cationic surfactant is dodecyltrimethylammonium bromide.

13. The reagent kit for analysis of urine sample according to claim 9, wherein pH of the second reagent is higher than or equal to 3 and lower than or equal to 6.

14. The reagent kit for analysis of urine sample according to claim 9, wherein the second reagent further contains a chelating agent.

15. The reagent kit for analysis of urine sample according to claim 14, wherein the chelating agent is ethylenediaminetetraacetate (EDTA salt).