residual ATP causes a drawback that high measurement accuracy cannot be achieved when such a conventional instrument is used for measuring ATP present in an extremely small amount.

[0010]

In view of the above drawbacks in the conventional techniques, ~~an object~~ embodiments of the present invention ~~is~~seek to provide a method for producing an instrument of collecting detection target. This producing method enables the instrument containing no residual ATP to be obtained due to the step of eliminating residual ATP adhering to or contained in the instrument of collecting detection target.

Means for Solving Problem

[0011]

~~For solving the above drawbacks,~~ According to an aspect of the present invention, ~~is directed to~~ there is provided a method for producing an instrument of collecting detection target, the instrument including a carrier unit that holds a carrier ~~of~~ collecting a detection target. This producing method includes a tool ATP eliminating step of eliminating ATP ~~adhering to~~ of tools to be used in production steps, and a carrier ATP eliminating step of eliminating ATP ~~adhering to a~~ from the carrier ~~made via~~ prepared by mixing raw materials ~~by~~ via using the tools from which ATP is thus eliminated ~~at~~in the tool ATP eliminating step.

[0012]

Further, the producing method additionally includes a filling step of filling the carrier from which ATP is eliminated in the carrier ATP eliminating step into the carrier unit.

[0013]

Further, the producing method additionally includes a molding step of molding the carrier thus filled in the carrier unit in the previous filling step.

[0014]

Moreover, in the producing method, the tool ATP eliminating step may be a step of eliminating ATP by immersing the tools in a liquid ATP eliminating reagent, or a step of eliminating ATP by spraying a misty ATP eliminating reagent onto the tools.

[0015]

Furthermore, in the producing method, the carrier ATP eliminating step may be a step of eliminating ATP by adding an ATP eliminating reagent to a carrier made via mixing raw materials.

[0016]

In the producing method, the ATP eliminating reagent includes at least one selected from a group of apyrase, alkaline phosphatase, acidic phosphatase, hexokinase, adenosine triphosphatase, and adenosine phosphate deaminase.

[0017]

Further, the producing method additionally includes a step of sterilizing tools to be used prior to the tool ATP eliminating step in the production steps, a step of packing the target collecting instrument thus treated in the molding step, and a step of sterilizing the target collecting instrument thus packed in the previous step. Herein, the steps from the tool ATP eliminating step to the packing step are carried out in a sterile operation area.

Advantageous Effect

[0018]

According to the producing method of the present invention, an instrument of collecting detection target, the instrument containing no residual ATP, may be produced. Further, use of the instrument of collecting detection target may enables an extremely small amount of ATP to be measured with high accuracy.

Brief Description of Drawings