What is claimed is:

1. A nucleic acid extracting device for extracting nucleic acid from a sample, characterized in that the nucleic acid extracting device comprises:

a lower module, having a sample reservoir, an elution reservoir, and a nucleic acid capturing chamber, wherein the sample is received in the sample reservoir, and an elution is received in the elution reservoir;

a material for capturing nucleic acid, disposed in the nucleic acid capturing chamber; and

an upper module, having a sample channel that communicates with the sample reservoir, and an elution channel that communicates with the elution reservoir, wherein the nucleic acid capturing chamber communicates with the sample channel and the elution channel; and

a flexible buffer member disposed between the upper module and the lower module to form an annular rib;

wherein the sample enters the nucleic acid capturing chamber via the sample channel, a nucleic acid in the sample is absorbed by the material, and the elution enters the nucleic acid capturing chamber via the elution channel to wash the nucleic acid out of the nucleic acid capturing chamber;

wherein the upper module further has a bottom surface facing toward the lower module, and an annular guide portion protruding from the bottom surface and facing toward the nucleic acid capturing chamber, wherein the elution channel communicates the elution reservoir with the guide portion, the annular rib surrounds the guide portion with a gap formed therebetween, and the height of the guide portion relative to the bottom surface exceeds the height of the rib relative to the bottom surface;

wherein the sample channel communicates the sample reservoir with the guide portion, and an inner surface of the guide portion forms a plurality of recesses corresponding to the sample channel and the elution channel respectively, wherein each of the recesses forms a bottom and two sidewalls on opposite sides of the bottom to

fluidly isolate the recesses from each other, and the width of the bottom exceeds the widths of the sidewalls.

2. The nucleic acid extracting device as claimed in claim 1, wherein the nucleic acid extracting device further comprises a hollow member forming a tubular body with the material disposed therein for capturing the extracted nucleic acid, and the tubular body has a tapered inlet and a tapered outlet which are tapered along a flow direction of the tubular body.

3. The nucleic acid extracting device as claimed in claim 1, wherein the upper module further has an upper member and an upper membrane, and the upper membrane is adhered to the upper member and adjacent to the sample channel and the elution channel.

4. The nucleic acid extracting device as claimed in claim 1, wherein the lower module further has a lower member and a lower membrane adhered to the lower member.

5. The nucleic acid extracting device as claimed in claim 1, wherein the lower module further has a waste liquid reservoir, and the upper module further has a waste liquid channel that communicates with the nucleic acid capturing chamber and the waste liquid reservoir, wherein a fluid flows from the nucleic acid capturing chamber through the waste liquid channel to the waste liquid reservoir.

6. The nucleic acid extracting device as claimed in claim 1, wherein the lower module further has a cleaner reservoir, and the upper module further has a cleaner channel that communicates with the cleaner reservoir and the nucleic acid capturing chamber, wherein a cleaner flows from the cleaner reservoir through the cleaner channel to the nucleic acid capturing chamber.

7. The nucleic acid extracting device as claimed in claim 1, wherein the upper module further has a first joining portion, and the lower module further has a second joining portion joined to the first joining portion when the upper module and lower module are assembled.

8. The nucleic acid extracting device as claimed in claim 1, wherein the lower module further has a nucleic acid collection channel, and the upper module further has a nucleic acid collection reservoir that communicates with the nucleic acid collection

channel, wherein the elution with extracted nucleic acid flows through the nucleic acid collection channel to the nucleic acid collection reservoir.

9. The nucleic acid extracting device as claimed in claim 8, further comprises a container detachably connected to the upper module for receiving the elution with extracted nucleic acid.

10. The nucleic acid extracting device as claimed in claim 1, further comprises a plurality of air channels extended through the upper module and lower module, to respectively push the sample and the elution by pneumatic pressure into the nucleic acid capturing chamber.