process, and the results of the process can be adversely affected if residual reagents or materials are left in the reaction chamber. In addition, in some processes, magnetic beads can be used to collect material (*e.g.*, nucleic acid) at several points during a process. After cleaning, the magnetic beads should be uniformly re-suspended in the liquid for the next step of the process. Better techniques for transferring reagents and other material into and out of the reaction chamber, for re-suspending magnetic beads uniformly in the reaction chamber, and for reducing the time required to perform the process are generally desired.

SUMMARY

[0004a] In one aspect, the present disclosure provides a pipette comprising: a first portion; a second portion coupled to the first portion, the second portion having a channel to permit flow of material through the second portion; and a third portion coupled to the second portion, the third portion comprising a tip portion having an opening in fluid communication with the channel and a plurality of passageways extending radially from the opening, the plurality of passageways configured to permit flow of material between the channel and an area exterior to the pipette.

BRIEF DESCRIPTION OF THE DRAWINGS

[0005] The disclosure can be better understood with reference to the following drawings. The elements of the drawings are not necessarily to scale relative to each other, emphasis instead being placed upon clearly illustrating the principles of the disclosure. Furthermore, like reference numerals designate corresponding parts throughout the several views.

[0006] FIG. 1 is a block diagram showing an embodiment of a system for performing PCR amplification.

[0007] FIG. 2 is a side plan view of an embodiment of a processor module.

[0008] FIG. 3 is a rear perspective view of the processor module of FIG. 2.

[0009] FIG. 4 shows a perspective view of an embodiment of a cassette.

[0010] FIG. 5 shows an exploded view of the cassette shown in FIG. 4.

[0011] FIG. 6 is a perspective view of an embodiment of a pipette.

[0012] 7 is a top view of the pipette shown in FIG. 6.

[0013] FIG. 8 is a cross-sectional view of the pipette of FIG. 6 taken along line A-A of FIG. 7.

[0014] FIG. 9 is an enlarged perspective view showing only the tip of the pipette of FIG. 6.

[0015] FIG. 10 is an enlarged side view showing only the tip of the pipette of FIG. 6.

[0016] FIG. 11 is an enlarged end view showing only the tip of the pipette of FIG. 6.

[0017] FIGS. 12-14 are partial cross-sectional views of an embodiment of the pipette being inserted into a chamber.