4. An article, comprising:

a first side comprising a central cavity portion and a platform portion that projects from the first side and that is not coplanar with the central cavity portion;

a second side opposite the first side; and

at least three hollow microneedles extending from the platform portion in a first direction;

wherein the platform portion substantially surrounds the central cavity portion;

wherein the platform portion comprises an inner perimeter proximate the central cavity portion and an outer perimeter distal the central cavity portion;

wherein each of the at least three hollow microneedles comprises a body that comprises:

an outer surface;

a base segment having a base and a first shape that is defined by a first section of the outer surface;

a tip segment having a tip and a second shape that is defined by a second section of the outer surface, wherein the second shape is distinct from the first shape;

a transition plane that delineates the base segment and the tip segment; and

a central axis;

wherein each of the at least three hollow microneedles comprises a height measured from the base to the tip;

wherein the tip segment of each of the at least three hollow microneedle defines at least about 30% of the height of the microneedle.

5. The article of claim 4, wherein the base segment is conical-shaped and the tip segment is substantially cylindrical-shaped.

6. The article of claim 4 or claim 5, wherein the height comprises a first height component associated with the base segment and a second height component associated with the tip segment; wherein the second height component is about 300 μm to about 825 μm.

7. An article, comprising:

a first side comprising a central cavity portion and a platform portion that projects from the first side and that is not coplanar with the central cavity portion;

a second side opposite the first side; and

~~at least three hollow microneedles extending from the platform portion in a first direction;~~

~~wherein the platform portion substantially surrounds the central cavity portion;~~

~~wherein the platform portion comprises an inner perimeter proximate the central cavity portion and an outer perimeter distal the central cavity portion;~~

~~wherein each of the at least three hollow microneedles comprises a body that comprises:~~

~~an outer surface;~~

~~a base segment having a base and a first shape that is defined by a first section of the outer surface;~~

~~a tip segment having a tip and a second shape that is defined by a second section of the outer surface, wherein the second shape is distinct from the first shape;~~

~~a transition plane that delineates the base segment and the tip segment; and~~

~~a central axis;~~

~~wherein the first side defines a first area;~~

~~wherein the platform portion defines a second area within the first area;~~

~~wherein the second area is less than about 40% of the first area.~~

~~84~~84. The article of any one of the preceding claims, wherein the first side further comprises a microneedle-free peripheral portion extending laterally from at least a part of the outer perimeter of the platform portion, wherein the peripheral portion is canted away from the platform portion in a second direction opposite the first direction.

~~95~~95. The article of ~~any one of the preceding claims;~~claim 4, wherein the article further comprises a side wall portion that extends from the platform portion or, if present, the peripheral portion~~;~~, and wherein the sidewall portion extends substantially opposite the first direction.

~~106~~106. The article of any one of the preceding claims, wherein the central cavity is a closed cavity.

~~117~~117. The article of any one of claims 1 through ~~95~~95, wherein the central cavity is a through-hole extending from the first side through the second side.

~~12~~8. The article of any one of the preceding claims, wherein the platform is circinate.

~~13~~9. The article of any one of the preceding claims, wherein the at least three hollow microneedles form a circinate array of microneedles ~~is circinate~~.

~~14~~10. The article of any one of the preceding claims, wherein a unitary body comprises the platform portion, the peripheral portion, and the central cavity portion.

~~15~~11. The article of any one of the preceding claims, wherein at least one microneedle of the ~~plurality~~ at least three hollow microneedles comprises:

a base;

an elongated body having a central axis and a body diameter;

a tip portion comprising a tip, a first bevel face oriented diagonally with respect to the central axis and extending through at least 75% of the body diameter, a second bevel face oriented substantially perpendicular to the central axis and intersecting the first bevel face, a bevel opening defined by a first edge of the first bevel face and a second edge of the second bevel face; and

a hollow channel that extends axially into the body from the bevel opening.

~~16~~12. The article of any one of the preceding claims, wherein at least one microneedle of the ~~plurality~~ at least three hollow microneedles comprises:

a base;

an elongated body having a central axis;

a tip portion comprising a tip, a beveled surface, and a bevel opening in the beveled surface;

a first channel that extends axially from the bevel opening through at least a portion of the elongated body, wherein the first channel has a first wall that is substantially aligned with the central axis; and

a second channel that extends radially from the first channel to the bevel opening, wherein the second channel has a second wall that is oriented substantially orthogonal to the central axis;

wherein the first channel and second channel merge to form the bevel opening.

~~17~~13. The article of any one of the preceding claims, wherein ~~the~~ at least one microneedle of at least three hollow microneedles comprises a hollow channel extending through the article from a first opening proximate the tip to a second opening in the second side of the article.

~~18~~14. The article~~, as claimed in~~ of any one of the preceding claims ~~1 through 17~~, for injecting fluid into a body.

~~19~~15. The article~~, as claimed in~~ of any one of the preceding claims ~~1 through 17~~, for extracting fluid from a body.

~~20~~16. The article ~~according to~~of claim ~~18~~ 14 or claim ~~19~~15, wherein the article is operatively coupled to an actuator.

~~21~~17. The article ~~according to claim 20~~of claim 16, wherein the actuator comprises an adhesive assembly, wherein the adhesive assembly comprises a skin-contact adhesive layer that, when the actuator is actuated, is urged against a skin surface.

~~22~~18. The article of ~~claim 1 or~~ claim 2, wherein the first angle is less than about 45° and/or wherein the second angle is less than about 45°.

~~23. The article of claim 6, wherein the height comprises a first height component associated with the base segment and a second height component associated with the tip segment; wherein the second height component is about 650 μm to about 800 μm.~~

~~24~~19. The article of any one of claims 1 through ~~73~~, wherein the at least three microneedles form~~s~~ a two-dimensional array.

~~25~~20. The article of claim ~~24~~19, wherein the array of microneedles is distributed all the way around the platform portion.