CLAIMS

1. A packaging comprising:

a tray having an opening, a cavity including at least three cavity portions, a plurality of sidewalls, and a base; and

a syringe contained within the cavity, wherein the syringe is pre-filled with a medicament or other fluid;

wherein a first cavity portion is configured to receive a plunger rod of the syringe, a second cavity portion is configured to receive a barrel of the syringe, and a third cavity portion is configured to receive a needle attachment portion of the syringe, wherein the at least three cavity portions are connected to one another by intermediate narrowed portions, and

wherein each of the intermediate narrowed portions includes a first sidewall, a second sidewall, a base, and a geometric feature projecting into the intermediate narrowed portions to position the syringe away from the first sidewall, the second sidewall, or the base of the intermediate portion.

2. The packaging of claim 1, wherein the first sidewall of the intermediate narrowed portion includes a first geometric feature and the second sidewall of the intermediate narrowed portion includes a second geometric feature.

3. The packaging of claim 2, wherein a distance between the first geometric feature and the second geometric feature is less than a width of the portion of the syringe contained within the intermediate narrowed portion.

4. The packaging of claim 2, wherein a distance between the first geometric feature and the second geometric feature ranges from about 5.5 mm to about 6.5 mm.

5. The packaging of claim 2, wherein the base of the intermediate narrowed portion includes a third geometric feature.

6. The packaging of claim 1, further comprising a projection associated with the tray at a location in line with a portion of the syringe.

7. The packaging of claim 1, further comprising a flange portion configured for holding a flange of the syringe.

8. The packaging of claim 7, wherein a recessed portion is located between the flange portion and the first cavity portion.

9. The packaging of claim 1, wherein each of the at least three cavity portions has a rectangular shape.

10. The packaging of claim 1, wherein each of the at least three cavity portions has a rectangular shape with a radius around each corner.

11. A packaging for a syringe, the packaging comprising:

a tray having an opening, a cavity including a plurality of cavity portions, a plurality of sidewalls, and a base;

wherein the plurality of cavity portions are connected to one another by intermediate narrowed portions, each intermediate narrowed portion including a first sidewall, a second sidewall, and a base,

wherein each of the first sidewall, the second sidewall, and the base of the intermediate narrowed portions includes a geometric feature extending away from the first sidewall, the second sidewall, or the base of the intermediate narrowed portions and projecting into the intermediate narrowed portion to position the syringe away from the first sidewall, the second sidewall, or the base of the intermediate narrowed portions;

a lip surrounding the opening, wherein the lip extends radially outward from the cavity and defines a periphery of the tray; and

a removable cover having a periphery that is adhered to the lip, wherein the removable cover is permeable to a gaseous sterilant.

12. The packaging of claim 11, wherein the geometric feature on the first sidewall is a first geometric feature and the geometric feature on the second sidewall is a second geometric feature, and a distance between the first geometric feature and the second geometric feature ranges from about 5.5 mm to about 6.5 mm.

13. The packaging of claim 11, wherein the plurality of cavity portions includes at least three cavity portions, and wherein a first cavity portion receives a plunger rod of the syringe, a second cavity portion receives a barrel of the syringe, and a third cavity portion receives a needle attachment portion of the syringe.

14. The packaging of claim 11, wherein the gaseous sterilant is one or more of vaporized hydrogen peroxide, ethylene oxide, or nitrous oxide.

15. A method of removing an externally-sterilized syringe from a packaging, the packaging including a tray having a cavity, a plurality of geometric features associated with the cavity, and a removable cover, the method comprising:

removing the removable cover so as to expose an opening of the tray;

grasping a portion of the externally-sterilized syringe held by the plurality of geometric features; and

ejecting the externally-sterilized syringe from the tray, wherein the ejecting step also causes the plurality of geometric features to move away from the externally-sterilized syringe to release the externally-sterilized syringe from the tray.

16. The method of claim 15, wherein the externally-sterilized syringe is pre-filled with aflibercept, ranibizumab, bevacizumab, conbercept, OPT-302, RTH258 (brolucizumab), a pegylated designed ankyrin repeating protein (DARPin), or RG7716.

17. The method of claim 15, wherein the tray is fabricated from a material including one or more of polypropylene, polystyrene, polyethylene, polycarbonate, polyvinyl chloride, or polyethylene terephthalate glycol.

18. The method of claim 15, wherein the removable cover is permeable to a gaseous sterilant.

19. The method of claim 18, wherein the gaseous sterilant is vaporized hydrogen peroxide.

20. The method of claim 15, wherein prior to ejecting the externally-sterilized syringe from the tray, the method further comprises pushing a portion of the packaging towards the cavity of the tray, wherein pushing the portion of the packaging causes a portion of the tray to flex.

21. The method of claim 20, wherein pushing the portion of the tray causes the externally-sterilized syringe to release from the plurality of geometric features.

22. The method of claim 20, wherein the portion of the packaging that is pushed includes a projection.

23. The method of claim 15, wherein the tray is fabricated from a thermoforming injection or blow molding technology.

24. The packaging of claim 1, wherein the medicament or other fluid is aflibercept, ranibizumab, bevacizumab, conbercept, OPT-302, RTH258 (brolucizumab), a pegylated designed ankyrin repeating protein (DARPin), or RG7716.

25. The packaging of claim 1, wherein the medicament or other fluid is aflibercept, such that the syringe is pre-filled with aflibercept.

26. The packaging of claim 11, wherein the syringe is pre-filled with aflibercept, ranibizumab, bevacizumab, conbercept, OPT-302, RTH258 (brolucizumab), a pegylated designed ankyrin repeating protein (DARPin), or RG7716.

27. The packaging of claim 11, wherein the syringe is pre-filled with aflibercept.

28. The method of claim 15, wherein the externally-sterilized syringe is pre-filled with aflibercept.