CLAIMS

What is claimed is:

1. A chromatography column bed support case, comprising:

a housing having a body with an opening, an interior in the body accessible via the opening, and a lid configured to cover the opening;

two removable inserts configured to fit inside the interior in a parallel configuration, each insert including a cavity configured to house a chromatography column bed support removed from a chromatography column; and

a removable divider disposed between the inserts, wherein the divider is sized and configured to separate the inserts, wherein each of the inserts and the divider includes a centrally located through hole,

wherein the cavity in each insert shares at least two dimensions with a chromatography column bed support, and each insert further comprises a recess located at an edge of the cavity, wherein the recess is deeper than the cavity.

2. The chromatography column bed support case of claim 1, wherein the inserts and the divider are sized and configured to extend from one end of the interior to an opposite end of the interior, and wherein each of the inserts and the divider includes two symmetrical indentations positioned diametrically opposite from one another.

3. The chromatography column bed support case of claim 1, further comprising:

a plurality of spacer pads disposed between a side of one insert and the housing.

4. The chromatography column bed support case of claim 1, wherein ~~each of the inserts and the divider includes a centrally located through hole, and wherein~~ the through holes are coaxial.

~~5. The chromatography column bed support case of claim 1, wherein the cavity in each insert shares at least two dimensions with a chromatography column bed support.~~

~~6. The chromatography column bed support case of claim 1, wherein each insert further comprises a recess located at an edge of the cavity, wherein the recess is deeper than the cavity.~~

~~7.~~5. The chromatography column bed support case of claim 1, wherein the lid is removably affixed to the housing by a securing mechanism.

~~8.~~6. The chromatography column bed support case of ~~claim 7~~claim 5, wherein the securing mechanism is selected from the group consisting of~~:~~ a latch, a clasp, a hook-and-eye closure, a tie closure, an elastic closure, and an adhesive.

~~9.~~7. The chromatography column bed support case of ~~claim 8~~claim 6, wherein the securing mechanism is a latch.

~~10.~~8. The chromatography column bed support case of claim 1, wherein the housing and the dividers include polyethylene.

~~11.~~9. A chromatography column bed support storage system, comprising:
a plurality of the chromatography column bed support cases of claim 1.

~~12.~~10. A method of storing a chromatography column bed support, the method comprising:

placing the chromatography column bed support in the chromatography column bed support case of claim 1.

~~13. A method of dedicating a pair of chromatography column bed supports to a specific chromatography operation, the method comprising:~~

~~running a chromatography column according to the specific chromatography operation using the pair of chromatography column bed supports; and~~

after running the chromatography column, storing the pair of chromatography column bed supports in a reusable chromatography column bed support case, the case comprising:

a housing having an interior and a lid;

two parallel inserts inside the interior, wherein each insert includes a cavity configured to hold one of the pair of chromatography column bed supports; and

a divider located disposed between the two inserts.

14. The method of claim 13, wherein the pair of chromatography column bed supports is a first pair of chromatography column bed supports and the specific chromatography operation is a first specific chromatography operation, and further comprising:

running the chromatography column according to a second specific chromatography operation, using a second pair of chromatography column bed supports.

15. The method of claim 14, wherein the reusable chromatography column bed support case is a first reusable chromatography column bed support case, and further comprising:

storing the second pair of chromatography column bed supports in a second reusable chromatography column bed support case.

16. The method of claim 14, wherein the second pair of chromatography column bed supports and the first pair of chromatography column bed supports are the same size.

17. The method of claim 14, wherein the first and second specific chromatography operations are high performance liquid chromatography operations.

18. The method of claim 13, wherein the specific chromatography operation is a high performance liquid chromatography operation.

~~19. The method of claim 13, wherein the housing and divider are made from polyethylene.~~

~~20.~~11. A method of managing a plurality of chromatography column bed supports dedicated to specific chromatography operations, the method comprising:

storing each chromatography column bed support in ~~a reusable~~the chromatography column bed support case according to claim 1~~, the case comprising:~~

~~a housing having an opening, an interior accessible via the opening, and a lid;~~

~~a plurality of inserts arranged in a parallel configuration inside the interior, wherein each insert includes a cavity configured to hold a chromatography column bed support; and~~

~~a divider disposed between each of the plurality of inserts~~; and

prior to running a chromatography column, removing a chromatography column bed support from the chromatography column bed support case and installing the chromatography column bed support in the chromatography column.

~~21.~~12. The method of ~~claim 20~~claim 11, further comprising:

storing a plurality of chromatography column bed supports in each of a plurality of reusable chromatography column bed support cases.

~~22.~~13. The method of ~~claim 20~~claim 11, wherein the housing is a polyethylene box, and wherein the lid is attached to the housing via a hinge.

14. A chromatography column bed support case, comprising:

a housing having a body with an opening, an interior in the body accessible via the opening, and a lid configured to cover the opening;

two removable inserts configured to fit inside the interior in a parallel configuration, each removable insert including a cavity configured to house a chromatography column bed support removed from a chromatography column; and

a removable divider disposed between the inserts, wherein the divider is sized and configured to separate the inserts, and the divider is directly adjacent to both removable inserts,

wherein the cavity in each insert shares at least two dimensions with a chromatography column bed support, and each insert further comprises a recess located at an edge of the cavity, wherein the recess is deeper than the cavity.

15. The chromatography column bed support case of claim 14, wherein each of the inserts and the divider includes a centrally located through hole, and wherein the through holes are coaxial.

16. The chromatography column bed support case of claim 14, wherein the removable inserts and the divider are sized and configured to extend from one end of the interior to an opposite end of the interior, and wherein each of the removable inserts and the divider includes two symmetrical indentations positioned diametrically opposite from one another.

17. A chromatography column bed support case, comprising:

a housing having a body with an opening, an interior in the body accessible via the opening, and a lid configured to cover the opening;

a first chromatography column bed support removed from a chromatography column; and

a first removable insert configured to fit inside the interior in a parallel configuration, the first removable insert including a cavity housing the first chromatography column bed support, and a recess extending beyond an outer

perimeter of the cavity, wherein the recess is deeper than the cavity, thereby allowing a user to reach underneath the first chromatography column bed.

18. The chromatography column bed support case of claim 17, further comprising:

a second chromatography column bed support removed from a chromatography column;

a second removable insert configured to fit inside the interior in a parallel configuration, the second removable insert including a cavity housing the second chromatography column bed support; and

a removable divider disposed between the first removable insert and the second removable insert, wherein the divider is sized and configured to separate the inserts.

19. The chromatography column bed support case of claim 17, wherein the removable divider is directly adjacent to both the first removable insert and the second removable insert.