What is Claimed Is:

1. A cell culture article, comprising:

a substrate comprising a polygalacturonic acid compound crosslinked with a divalent cation, the polygalacturonic acid compound selected from at least one of: pectic acid; partially esterified pectic acid, partially amidated pectic acid and salts thereof;

wherein the substrate is digestible by digestion reagents into components comprising of galacturonic acid monomers and the divalent cation.

2. The article of claim 1, wherein the substrate is spherical or substantially spherical with a diameter of 10 to 500 micrometers.

3. The article of claim 1 or claim 2, wherein the divalent cation concentration ranges from 0.5 to 2 g/l of the substrate.

4. The article of claim 3, wherein the divalent cation is selected from the group consisting of calcium, magnesium and barium.

5. The article of any of the preceding claims, further comprising an adhesion polymer on the surface of the substrate.

6. The article of claim 5, wherein the adhesion polymer is grafted to or coated on the surface of the substrate.

7.The article of any one of the preceding claims, wherein the polygalacturonic acid compound is ionotropically crosslinked.

8. The article of any one of the preceding claims, wherein the digestion reagents comprise at least one of EDTA and an enzyme.

9. The article of claim 5 or claim 6, wherein at least a portion of the adhesion polymer becomes soluble when the substrate is digested.

10. The article of claim 9, wherein the portion of the adhesion polymer that becomes soluble is at least about 40%, at least about 50%, at least about 60%, at least about 70%, at least about 80%, at least about 90%, or at least about 95%.

11. A method of harvesting cultured cells from a dissolvable substrate, the method comprising:

separating the cultured cells from the substrate by digesting the substrate via exposure of the substrate to (i) a chelating agent, (ii) an enzyme, or (iii) a chelating agent and an enzyme, the separating resulting in a harvest solution; and

performing a series of wash and/or centrifugation cycles of components of a harvest solution following the separating,

wherein the substrate comprising a polygalacturonic acid compound selected from at least one of: pectic acid; partially esterified pectic acid, partially amidated pectic acid and salts thereof, and an adhesion polymer on the surface of the polygalacturonic acid compound.

12. The method of claim 11, wherein the enzyme comprises a non-proteolytic enzyme.

13. The method of claim 11 or claim 12, wherein digesting the dissolvable substrate comprises exposing the dissolvable substrate to between about 1 U/mL and about 200 U/mL of the enzyme, or between about 1 U/mL and about 50 U/mL, or between about 1 U/mL and about 30 U/mL, or less than about 30 U/mL.

14. The method of any of claims 11-13 comprising exposing the dissolvable foam scaffold to the chelating agent at a concentration of less than about 10 mM, less than about 9 mM, less than about 8 mM, less than about 7 mM, less than about 6 mM, less than about 5 mM, less than about 4 mM, less than about 3 mM, less than about 2 mM, or equal to or less than about 1 mM.

15. The method of any one of claims 11-14, wherein, after digesting, at least a portion of the adhesion polymer becomes soluble, and

the method further comprising removing a non-soluble portion of the adhesion polymer by adding a protease to the harvest solution.