CLAIMS

Claim 1. A resin film made of a scaffolding material for culturing a cell containing a synthetic resin, having

a dispersion component γ^d of surface free energy of 28.0 mJ/m^2 or more and less than 38.0 mJ/m^2, and

a dipole component γ^p of surface free energy of 1.0 mJ/m^2 or more and less than 10.0 mJ/m^2,

wherein the synthetic resin contains at least any one of a polyvinyl acetal skeleton and a poly(meth)acrylic ester skeleton.

Claim 2. The resin film according to claim 1, wherein the synthetic resin is a polyvinyl acetal resin.

Claim 3. The resin film according to claim 1,

the synthetic resin containing a polyvinyl acetal resin, and

a degree of acetalization of the polyvinyl acetal resin being higher than 60 mol%,

wherein the polyvinyl acetal resin is a polyvinyl butyral.

Claim 4. The resin film according to claim 2 or 3, wherein the polyvinyl acetal resin contains as a structural

unit at least one selected from the group consisting of a structural unit having an amine structure, a structural unit having an imine structure and a structural unit having an amide structure.

Claim 5. The resin film according to claim 4, wherein the polyvinyl acetal resin has a total content of the structural unit having an amine structure, the structural unit having an imine structure and the structural unit having an amide structure of 0.1 mol% or more and 30 mol% or less.

Claim 6. The resin film according to any one of claims 1 to 5, wherein the cell is a pluripotent stem cell.

Claim 7. A container for culturing a cell, comprising the resin film according to any one of claims 1 to 6 on at least a part of a cell culture region.

Claim 8. A method for culturing a cell, using the resin film according to any one of claims 1 to 6.

Claim 9. The method for culturing a cell according to claim 8, comprising a step of seeding a cell mass on the resin film.