**Bacterial Cellulose-coated Scaffold – Culture Mediums**

**Materials for 50cl media:**

* **Hestrin – Schramm media :**
* Distilled water: 50cl
* Glucose: 10g
* Peptone: 2.5g
* Yeast Extract: 2.5g
* Dibasic monosodium phosphate dihydrate Na2HPO4 2H2O: 1.6g
* Cellulose Bacteria: 10% (v/v)
* **Yamanaka media :**
* Distilled water: 50cl
* Glucose: 25g
* Yeast Extract: 2.5g
* Ammonium sulfate (NH4)2SO4: 2.5g
* Potassium sulfate KH2PO4: 1.5g
* Magnesium sulfate: MgSO47H2O: 0.025g
* Cellulose bacteria: 10% (v/v)
* **Zhou media :**
* Distilled water: 50cl
* Glucose: 20g
* Corn Steep Liquor: 10g
* (NH4)2SO4: 2g
* KH2PO4: 1g
* MgSO47H2O: 0.2g
* Cellulose Bacteria: 10% (v/v)

**Procedure:**

* Use weights to weight ingredients
* In the first beaker, mix half volume water with glucose
* In the second beaker, mix half volume water with the rest of dry ingredients
* Autoclave both bottles at 121°C for 20min
* Store glucose solution and HS, Y or Z separately
* Mix half:half to use as a complete medium
* Store in room temperature