**Media formulation for all stages of differentiation**

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| --- | --- | --- | --- | --- |
| **Stage** | **Base Media** | **Supplements** | **Inducers** | **Comments** |
| **Definitive Endoderm** | DMEM/F12 | 0.2% BSA | 100ng/ml Activin A | Day 0-4 |
| B27 | \*100ng/ml Fgf2 |
|  | \*100ng/ml Bmp4 |
|  | \*25ng/ml Wnt3a |
|  | \*1μM Wortmannin |
| **Pancreatic Progenitor** | DMEM/F12 | 0.2% BSA | 0.2µM KAAD-Cyclopamine | Day 4-8 |
| B27 | 2µM All-Trans Retinoic Acid | Day 6-8 |
| **Maturation** | DMEM/F12 | 0.2% BSA | 10mM Nicotinamide | Day 8-End |
| B27 | 30μM DAPT | Day 10-End |
| 25 μg/ml Insulin |  |  |
| 50 μg/ml Transferrin |  |  |
| 30nM Sodium Selenite |  |  |
|  |  |  |  |  |
| \*\* Either/or |  |  |  |  |