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| المحلول المنظم Buffers | المواد المكونه | التركيز | الوزن (جم) | الحجم (مل) |
| ALS-I | Glucose | 0.05 M | 0.9 gm | - |
| TrisHCl  (M.W.=121.14 g/mol ) | 1 M | …………… | 2.5 ml |
| EDTA  (M.W.= 374.24g/mol) | 0.5 M | …………… | 2 ml |
| Add to 100 ml using DDW | | | |
|  | | | | |
| ALS-II | NaOH  (M.W= 39.99711 g/mol) | 0.2 M | 0.8 gm | - |
| SDS  (M.W= 288.372 g/mol) | 1% | ……………. |  |
| Add to 100 ml using DDW | | | |
|  | | | | |
| ALS-III | Potassium acetate  (M.W= 98.14232 g/mol.) | 3 M | 29.5 gm | - |
| Glacial acetic acid | 11.5% | …………… | 11.5 ml |
| Add to 100 ml using DDW | | | |
|  | | | | |
| TER | TrisHCl  (M.W= 121.14 g/mol) | 1 M | …………. | 10 ul |
| EDTA  (M.W= 374.24g/mol) | 0.5 M | …………. | 2 ul |
| RNase A  (M.W= ) | 0.2lml | …………. | 2 ul |
| To 1 ml using DDW | | | |
|  | | | | |
| CTAB Buffer | CTAB  (M.W= 364.46 g/mol) |  | 2 gm | - |
| Tris  (M.W= 121.14 g/mol) | 1 M | ……………. | 10 ml |
| EDTA  (M.W= 374.24g/mol) | 0.5 M | …………… | 4 ml |
| NaCl  (M.W= 58.44277 g/mol) | 5 M | …………… | 28 ml |
| PVP | - | 1 gm | - |
| HCl | pH=5 | - | - |
| Make up to 100 ml using DDW | | | |
|  | | | | |
| TBE Buffer 5X | Tris Base  (M.W= 121.14 g/mol) |  | 54 gm | - |
| Boric acid  (M.W= 61.83302 g/mol) |  | 27.5 gm | - |
| EDTA  (M.W= 374.24g/mol) | 0.5 M | ……………. | 20 ml |
| Make up to 1 L DDW | | | |
|  | | | | |
| Agarose gel | Agarose | - | 1 gm |  |
| TBE | 1X | - | 100 ml |