

F' X F- Data Analysis:

| Initi als | Column A # viable recipient cells per ml in mating mixture <i>(from MAC plates)</i> | Column B # colonies on Minimal plates (seeded with 0.1 ml of 10E-3 dilution) | Column C Calculate from A: number of recipient cells plated | Column D % rec <i>column B</i> <i>column C</i> | Any red colonies on MAC plates? |
|--------------|---|--|---|---|---------------------------------------|
| GP/ BK | 2.8×10^7 | 1 | 2800 | 0.0357 | 0 |
| JB/ GK | 1.2×10^8 | 1 | 1.2×10^4 | 0.0086 | 0 |
| NB KB | 3.2×10^7 | <1 | 3200 | <0.031% | 0 |
| JY KH | 1×10^7 | <1 | 1000 | <0.1 | 0 |
| IO KS | 4.2×10^7 | <1 | 4.2×10^3 | <0.024% | 0 |
| AG BF | 7.7×10^7 | $0 - 10^{-3}$ $1 - 10^{-4}$ | 8.47×10^3 (On both plates) | 1.18×10^{-2} | 0 |
| RK KH | 1.8×10^7 | 2 | 2000 | 0.1% | 0 |
| MO TD | 9.7×10^7 | 1 | 9.7×10^3 | 0.01% | 0 |
| Tot al | | | | | |

F' X F- Data Analysis:

| Plate | Column A # viable recipient cells per ml in mating mixture <i>(from MAC plates)</i> | Column B # colonies on Minimal plates | Column C Calculate from A: number of recipient cells plated | Column D % rec <i>column B</i> <i>column C</i> | Column E # red colonies on plate | Column F #recipient cells seeded on plate | % rec <i>column</i> <i>E/</i> <i>column</i> <i>F</i> |
|-----------|---|--|--|--|---|---|--|
| 0.1ml | 5 X10E7 | | | | | | |
| undiluted | | tmtc | | | | | |
| 10E-1 | | 282 340 243 261 265 | 500000 | 0.056 | 100 193 128 155 | 500000 | 0.029 |
| 10E-2 | | 28 | 50000 | 0.056 | | | |
| 10E-3 | | 0 | | | | | |
| 10E-4 | | 0 | | | | | |
| 10E-5 | | 0 | | | | | |
| 10E-6 | | 0 | | | | | |
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