**EIA MICRO PLATE LAYOUT**

**This layout is the default defined by TRYCONT.TXT file in CHTTS**

       1. Vironostika HIV Ag/Ab

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | NC | PC3 | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE |
| B | NC | CDC NEG | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE |
| C | NC | CDC NEG | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE |
| D | PC1 | CDC LP | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE |
| E | PC1 | CDC LP | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE |
| F | PC2 | CDC HP | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE |
| G | PC2 | CDC HP | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE |
| H | PC3 | DILUENT | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE |

Green: kit controls (Negative, positive control anti-HIV1, positive control anti-HIV2 and positive control antigen)

Blue: CDC DBS Controls (Negative, Low positive and High positive)

Yellow: survey test samples or diluent (see column 2)

        2. Enzygnost Integral II HIV Ag/Ab ***(Still to be confirmed)***

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | NC | CDC LP | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE |
| B | NC | CDC HP | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE |
| C | PC | CDC HP | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE |
| D | PC | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE |
| E | PC | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE |
| F | CDC NEG | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE |
| G | CDC NEG | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE |
| H | CDC LP | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE |

Green: kit controls (Negative and positive)

Blue: CDC DBS Controls (Negative, Low positive and High positive)

Yellow: survey test samples or diluent (see column 2)

**Vironostika:**

1 negative control, done in triplicate

* NC < .250
* Calculate mean (must have atleast 2 NC < .250 to do this)
* Each NC >= 60% of the mean AND <= 140% of the mean. Otherwise the NC cannot be used in mean calculation

3 positive controls, each done in duplicate. At least one of the duplicates PC1, PC2, and PC3 must meet each of the conditions below:

PC1 – NCx(mean) >= .600

PC2 – NCx(mean) >=.600

PC3 – NCx(mean) >= .400

CUTOFF = NCx(mean) + .100

**Enzygnost:**

1 negative control done in duplicate. BOTH must be in range (-.010) : .200

1 positive control done in triplicate.

* controls must be in this range .500:2.600 (2 of 3 must be in this range. Must be in this range to be included in the mean calculation below)
* CUT OFF is the PCx(mean) \* .23

**LEVEL 3 REPEAT**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | NC | PC3 | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE |
| B | NC | CDC NEG | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE |
| C | NC | CDC NEG | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE |
| D | PC1 | CDC LP | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE |
| E | PC1 | CDC LP | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE |
| F | PC2 | CDC HP | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE |
| G | PC2 | CDC HP | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE |
| H | PC3 | DILUENT | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| A | NC | CDC LP | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE |
| B | NC | CDC HP | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE |
| C | PC | CDC HP | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE |
| D | PC | DILUENT | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE |
| E | PC | DILUENT | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE |
| F | CDC NEG | DILUENT | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE |
| G | CDC NEG | DILUENT | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE |
| H | CDC LP | DILUENT | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE | SAMPLE |