**Substance:** Clozapine + Apo 0.5 uM

**Date:** 160307

**Zebrafish DOB:** 160226 (10 dpf)

**Tank: 4**

**Aim:** Response Clozapine

**Volume in wells:** 1.0 mL

**Stock Clozapine:**

**500 uM**

**150 uM (333 uL+667 uL E3)**

**50 uM (100 uL + 900 uL E3)**

**Stock Apo:**

**2.5 mM stock, Added 20 uL of this solution**

Add 20 uL

**Control:** 20 uL E3

Plate 1:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Well | 1 | 2 | 3 | 4 | 5 | 6 |
| A | Cloz 1 uM | Cloz 1 uM | Cloz 1 uM | Cloz 1 uM | Cloz 1 uM | Cloz 1 uM |
| B | Cloz 10 uM | Cloz 10 uM | Cloz 10 uM | Cloz 10 uM | Cloz 10 uM | Cloz 10 uM |
| C | Control | Control | Control | Control | Control | Control |
| D | Cloz 3 uM | Cloz 3 uM | Cloz 3 uM | Cloz 3 uM | Cloz 3 uM | Cloz 3 uM |

Plate 2:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Well | 1 | 2 | 3 | 4 | 5 | 6 |
| E | Cloz 1 uM | Cloz 1 uM | Cloz 1 uM | Cloz 1 uM | Cloz 1 uM | Cloz 1 uM |
| F | Cloz 10 uM | Cloz 10 uM | Cloz 10 uM | Cloz 10 uM | Cloz 10 uM | Cloz 10 uM |
| G | Control | Control | Control | Control | Control | Control |
| H | Cloz 3 uM | Cloz 3 uM | Cloz 3 uM | Cloz 3 uM | Cloz 3 uM | Cloz 3 uM |

File

No adaption Add Clozapine directly

Record during 13x5 min in light conditions

|  |  |  |
| --- | --- | --- |
| 0 | light | 133255 |
| 5 | light | 133756 |
| 10 | light | 134258 |
| 15 | light | 134759 |
| 20 | light | 135300 |
| 25 | light | 135802 |
| 30 | light | 140303 |
| 35 | light | 140805 |
| 40 | light | 141306 |
| 45 | light | 141808 |
| 50 | light | 142309 |
| 55 | light | 142811 |
| 60 | light | 143312 |

Added Apomorphine (0.5 uM final concentration) to all wells .

|  |  |  |
| --- | --- | --- |
| 0 | Dark | 144405 |
| 5 | Dark | 144906 |
| 10 | Dark | 145408 |
| 15 | Dark | 145910 |
| 20 | Dark | 140411 |
| 25 | Dark | 150913 |
| 30 | Dark | 151415 |
| 35 | Dark | 151916 |
| 40 | Dark | 152418 |
| 45 | Dark | 152920 |
| 50 | Dark | 153422 |
| 55 | Dark | 153923 |
| 60 | Dark | 154425 |

Videofiles on backup 34

**Other conditions:** Cover blanket,

Exposure: 1370 µsec, 300 s per recording

Thermostat: 31.5°C

Water temperature: in bath: 30.5°C in wells: 28.0°C

After experiment: all larvae terminated on ice