| **Assay**  **104022 GMP** | **Structural analysis of expression cassette by southern blotting** | **Inventory Control** | | | | |
| --- | --- | --- | --- | --- | --- | --- |
| **Supplier Catalogue Number** | **Oracle Part Number** | **Inventory Control** | **Release**  **Specification** | **In House/ secondary**  **BOM** |
| Material type | Name | **Y/N** | **Y/N** | **Y/N** |
| Buffer | Denaturation Buffer | 4390295 | 100000677.UK | Y | N | N |
| Buffer | Neutralisation Buffer | 04390-293 | 100001285.UK | Y | N | N |
| Buffer | 20 x SSC | 15557-036 | 100004829.4L | Y | N | N |
| Buffer | 1 x TAE | 4390291 | 100000678.UK | Y | N | N |
| Buffer | 10x Blue Juice loading buffer | 10816015 | 100000721.3 x 1ml | Y | N | N |
| Buffer | X-ray developer | RGD | A0000089.5L | Y | N | N |
| Buffer | X-ray fixer | 5518 | A0000090.5L | Y | N | N |
| Buffer | TE pH8.0 | V6231 | A0000554.100ml | Y | N | N |
| Reagent | Ethidium Bromide | 15585-011 | 100001261.UK | Y | N | N |
| Reagent | Ethanol | 15338 | A0000104.2’5L | Y | N | N |
| Reagent | Deoxycytidine 5' Triphosphate (DcTP) (32P) | NEG013H250UC | 100004446.UK | Y | N | N |
| Reagent | Isopropanol | 20842.323 | A0000081.2’5L | Y | N | N |
| Reagent | Low Mass DNA ladder | 10068-013 | 100000716.200UL | Y | N | N |
| Reagent | High Mass DNA ladder | 10496-016 | 100000713.200UL | Y | N | N |
| Reagent | 1KB ladder | 15615-016 | 100001265.250UG | Y | N | N |
| Reagent | Agarose | 16500-500 | 100001257.500G | Y | N | N |
| Reagent | Nuclease free Water | P1193 | A0000551.50ml | Y | N | N |
| Reagent | dNTPS | N808-0007 | A0000294.10mm 1 SET | Y | N | N |
| Kit | Taq DNA polymerase Kit | 201203 | 100004882.250U | Y | N | N |
| Kit | Random prime kit | 11004760001 | 100004665.KIT | Y | N | N |
| Kit | High Pure PCR product purification Kit | 11732668001 | 100004425.EA | Y | N | N |
| Kit | Nick columns | 17085502 | A0000226.UK | Y | N | N |
| Restriction Endonucleases | Various depending on individual client specifications. | N/A | N/A | N | N | N |
| Primers | Custom depending on individual client specifications | N/A | N/A | N | N | N |
| Probe | Custom depending on individual client specifications | N/A | N/A | N | N | N |
| Buffer | 0.25M HCL | N/A | N/A | N | N | RP#140 |
| Buffer | 2xSSC | N/A | N/A | N | N | RP#203 |
| Buffer | Hybridisation buffer | N/A | N/A | N | N | RP#045 |
| Buffer | 0.1xSSC/0.1%SDS | N/A | N/A | N | N | RP#218 |
| Buffer | 2xSSC/0.1%SDS | N/A | N/A | N | N | RP#046 |
| Reagent | Salmon sperm DNA | N/A | N/A | N | N | RP#050 |
| Reagent | 5%TCA/1%NaPPO4 | N/A | N/A | N | N | RP#19 |
| Reagent | 70% Ethanol | N/A | N/A | N | N | RP#149 |
| Reagent | 10M Ammonium acetate | N/A | N/A | N | N | RP#67 |

**Approvals**

**Prepared By \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Approval (Ops) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Approval (QA) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Document Revision History**

|  |  |  |
| --- | --- | --- |
| **Revision Number** | **Details** | **Effective Date** |
| R00 | New BOM generation | Date of approval |