| **Assay**  **106602GMP** | **Determination of the nucleotide sequence of specific cDNA transcripts generated from mRNA expressed from the Sponsor’s expression vector.** | **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** |
| Extraction kit | RNeasy Mini Kit | 74104 | A0000578.UK | Y | Y | N |
| Consumables | Collection tubes | 19201 | A0000568.2ML | Y | N | N |
| Buffer | 1x Phosphate Buffered Saline (PBS)  1x Dulbecco’s PBS + CA + MG | 14040083  14040091 | 100000856.100ml  100000718.500ml | Y | Y | N |
| Solvent | Ethanol | 101074F  153386F  283047K | A00001044.UK  A0000104 .2'5 L  A0001860.UK | Y | N | KPBT4413 |
| Enzyme | RNase Free DNase | 79254 | A0000581.UK | Y | Y | N |
| Enzyme | DNase I (amplification grade) | 18068-015 | 100004765.100UN | Y | Y | N |
| Chemical | β-mercaptoethanol | M3148-25ml | A0001303.25ML | Y | Y | N |
| cDNA Preparation Kit | ThermoScript. RT-PCR System | 11146016 | 100000847.100RXN | Y | Y | N |
| cDNA Preparation Kit | SuperScript. III First-Strand Synthesis System for RT-PCR | 18080-051 | 100004396.50PK | Y | Y | N |
| PCR Kit | Fast start Taq DNA polymerase kit | 12032945001 | 100004425.EA | Y | Y | N |
| dNTPs | ATP, GTP, TTP and CTP | N8080007 (10mM) | A0000294.10MM1 SET | Y | Y | N |
| Water | Nuclease Free Water | 129115,  P1193 | 100004189.1000ML, A0000551.50ML | Y | Y | N |
| Chemical | Agarose | 15510-027 | 100001257.500G | Y | Y | N |
| Reagent | 10x Blue Juice Loading Buffer | 10816015 | 100000721.3X1ML | Y | Y | N |
| Reagent | Gel Star Nucleic Acid Stain | 50535 | 100004202.2PK | Y | Y | N |
| Reagent | Ethidium Bromide Solution | 15585-011 | 100001261.UK | Y | Y | N |
| Buffer | 1 x TBE buffer | 043-90296 | 100000646.UK | Y | Y | N |
| Buffer | 1 x TAE buffer | 4390291 | 100000678.UK | Y | Y | N |
| Buffer | 10 x TBE buffer | 15581-028 | 100001260.10L | Y | Y | KPBT4413 |
| Buffer | 10 x TAE buffer | 15558-034 | 100001259.10L | Y | Y | KPBT4413 |
| Molecular Weight Marker | 100bp DNA Ladder | 15628-019 | 100001264.50UG | Y | Y | N |
| Molecular Weight Marker | 1Kb DNA Ladder | 15615-016 | 100001265.250UG | Y | Y | N |
| Purification Kit | PCR Purification Kit | 28104 | A0000571.UK | Y | Y | N |
| Buffer | Buffer QG | 19063 | 100004773.250ML | Y | Y | N |
| Molecular Weight Marker | Low DNA Mass Ladder | 10068013 | 100000716.200UL | Y | Y | N |
| DNA sequencing Kit | BigDye Terminator v3.1 | 4337456 | A0001976.UK | Y | N | N |
| Polymer | POP 7 Polymer | 4352759 | A0001975.UK | Y | Y | N |
| Reagent | Betaine Solution | B0300.1vl | 100004892.VL | Y | Y | N |
| Buffer | Big Dye Terminator 5 x Sequencing Buffer | 4336697 | 100004321.1ML | Y | Y | N |
| Buffer | 10 x Genetic Analyser Buffer | 4335613 | A0001977.UK | Y | Y | KPES0553 |
| DNA Sequencing Control Template | pGEM®-3Zf(+) Vector | P2271 | 100004987.VL | Y | Y | N |
| DNA Sequencing Control Primer | –21 M13 primer (forward) | N/A | N/A | N | N | BA5082 |
| 3130 Genetic Analyser Capillaries | 36 cm, 50 cm capillary arrays | 4333464,  4333466 | 100004183.EACH,  A0002206.UK | Y | N | N |
| 3130*xl* Genetic Analyser Capillaries | 50 cm, 80 cm capillary arrays | 4315930,  4319899 | 100004884.UK,  100004883.UK | Y | N | N |
| Chemical | Sodium Acetate | AM9740 | 100004531.100ML | Y | Y | N |
| Chemical | EDTA | AM9260G | 100004533.100ML | Y | Y | KPBT4413 |
| Chemical | Hi-Di Formamide | 4311320 | A0000283.25ML | Y | Y | N |
| Purification Kit | Big Dye X-terminator Purification Kit | 4376484 | 100004843.KIT | Y | N | N |
| Purification Kit | Big Dye X-terminator | 4376487 | 100005016.KIT | Y | N | N |
| Consumables | Wide bore pipette tips | T-205-WB-C-L-R-S | 100004912.UK | Y | N | N |

**Approvals**

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

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

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

**Document Revision History**

|  |  |  |
| --- | --- | --- |
| **Revision Number** | **Details** | **Effective Date** |
| R00 | 1. New BOM generation | Date of approval |