| **Assay**  **107325/107841GMP** | **Evaluation of reverse transcriptase activity by Ultracentrifugation & Quantitative Fluorescent Product Enhanced Reverse Transcriptase (QFPERT) assay** | **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** |
| Water | Nuclease Free Water | P1193 | A0000551.50ML | Y | Y | N |
| Positive Control Virus | MLV positive control | ATCC VR1447 | 100000542.PVB | N | N | N |
| Media | DMEM | 31885023 | 100000647.500ml | Y | Y | N/A |
| Media | FBS | 10094 | 100000271.500ML | Y | Y | N/A |
| Reagent | 1.0M Trizma Hydrochloride Solution pH 7.5 | T2319-100ml | 100008530.UK | N | N | N/A |
| InHouse Reagent | 2.0M KCl | N/A | 100004642.UK | N | N | KPBT6572 Form B |
| InHouse Reagent | 0.5M DTT | N/A | 100004641.UK | N | N | KPBT6572 Form C |
| InHouse Reagent | 20% Igepal | N/A | 100004644.UK | N | N | KPBT6572 Form D |
| Reagent | Taqman Gold RTPCR Reagents | N808-0234 | 100004216.PK | Y | N | N/A |
| Reagent | 50 mM MgCl2 (as part of Taq Polymerase Kit) | 18067-017 | 100004242.KIT | Y | N | N/A |
| RNA | MS2 RNA | 165948 | 100004313.500ML | Y | Y | KPBT6572 Form A |
| Enzyme | Cloned AMV RT | 12328-019 | 100004315.750UN | Y | Y | N/A |
| Primer | 20 µM Primer RT3 | N/A | N/A | N | Y | BR Primers BPBT6377 |
| Primer | 20 µM Primer RT4 | N/A | N/A | N | Y | BR Primers BPBT6377 |
| Probe | 5 µM Probe QP-230 | N/A | N/A | N | Y | BR Probe BPBT6377 |
| Master Mix | Universal 2x Mix | 4305719 | A0000111.KIT | Y | Y | N/A |

**Approvals**

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

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

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

**Document Revision History**

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| --- | --- | --- |
| **Revision Number** | **Details** | **Effective Date** |
| R01 | *Assay added assay 107841GMP and the BOM*  *Positive control virus change from "XEN Retrovirus ATCC VR-1447 P" to MLV virus..*  *FBS oracle number changed from 100000271.1L to 100000271.500ML*  *Mastermix oracle number changed from A0000111 toA0000111.KIT*  *Description section: Purified RT Enzyme name change to Clone AMV RT to reflect oracle*  *Description section: Taqman Master Mix name change to Universal 2x mix to reflect oracle*  *Description section: InHouse Reagent name change to Reagent*  *Description section: 0.8M Tris pH 8.1 name change to 1.0M Trizma Hydrochloride Solution pH 7.5 to reflect KPBT6572*  *0.8M Tris pH 8.1 oracle number changed from 100004643.UK to 100008530.UK to reflect updated material*  *In House/Secondary BOM relating to 1.0M Trizma Hydrochloride Solution pH 7.5 updated to N/A*  *Supplier Catalogue Number for 1.0M Trizma Hydrochloride Solution pH 7.5 updated from N/A to T2319-100ml*  *Description section: 2% Igepal name change to 20% Igepal to reflect KPBT6572*  *Description section: 1.0M KCl name change to 2.0M KCl to reflex KPBT6572*  *Description section: 0.1M DTT name change to 0.5M DTT to reflex KPBT6572*  *In House/Secondary BOM relating to 2.0M KCl updated to KPBT6572 Form B*  *In House/Secondary BOM relating to 0.5M DTT updated to KPBT6572 Form C*  *In House/Secondary BOM relating to 20% Igepal updated to KPBT6572 Form D*  *In House/Secondary BOM relating to MS2 RNA updated to KPBT6572 Form A*  *In House/Secondary BOM relating to Primer updated to BR Primers BPBT6377*  *In House/Secondary BOM relating to Probe updated to BR Probe BPBT6377* | Date of approval |