

# QuantiNova® LNA® Probe PCR Focus Panels (96-Well Format and 384-Well [4 x 96] Format)

## Mouse Breast Cancer

Cat. no. 249955 UPMM-131ZA

For study focus gene expression analysis

### Shipping and storage

QuantiNova LNA Probe PCR Focus Panels are shipped at room temperature. Immediately upon receipt, they should be stored protected from light at 2–8°C for short term storage or at –30°C to –15°C for long time storage. Under these conditions, all components are stable for at least 12 months.

**Note:** Open the package and store the products appropriately immediately upon receipt.

For optimal performance, QuantiNova LNA Probe PCR Focus Panels should be used together with the QuantiNova Reverse Transcription Kit for cDNA synthesis and the QuantiNova Probe PCR Kit (Mastermix) for PCR.

### Panel layout (96-well): QuantiNova LNA Probe PCR Focus Panel

For the 384-well (4 × 96) PCR panels, genes are present in a staggered format. Refer to the QuantiNova LNA Probe PCR Handbook at [www.qiagen.com](http://www.qiagen.com) for further details.

|   | 1       | 2     | 3      | 4     | 5        | 6      | 7     | 8      | 9      | 10       | 11     | 12    |
|---|---------|-------|--------|-------|----------|--------|-------|--------|--------|----------|--------|-------|
| A | Abcb1a  | Abcg2 | Adam23 | Akt1  | Apc      | Ar     | Atm   | Bad    | Bcl2   | Birc5    | Brca1  | Brca2 |
| B | Ccna1   | Ccnd1 | Ccnd2  | Ccne1 | Cdh1     | Cdh13  | Cdk2  | Cdkn1a | Cdkn1c | Cdkn2a   | Csf1   | Cst6  |
| C | Ctnnb1  | Ctsd  | Egfr   | Egfr  | ErbB2    | Esr1   | Esr2  | Foxa1  | Gata3  | Gli1     | Grb7   | Gstp1 |
| D | Hic1    | Id1   | Igf1   | Igf1r | Igfbp3   | Il6    | Jun   | Krt18  | Krt19  | Krt5     | Krt8   | Mapk1 |
| E | Mapk3   | Mapk8 | Mgmt   | Mki67 | Mlh1     | Mmp2   | Mmp9  | Muc1   | Myc    | Nme1     | Notch1 | Nr3c1 |
| F | Pgr     | Plau  | Prdm2  | Pten  | Ptgs2    | Pycard | Rarb  | Rassf1 | Rb1    | Serpine1 | Sfn    | Sfrp1 |
| G | Slc39a6 | Sltf2 | Snai2  | Src   | TH3      | Tgfb1  | Thbs1 | Trp53  | Trp73  | Twist1   | Vegfa  | Xbp1  |
| H | Actb    | B2m   | Gapdh  | Gusb  | Hsp90ab1 | MGDC   | QIC   | QIC    | QIC    | PPC      | PPC    | PPC   |

## Gene table: QuantiNova LNA Probe PCR Focus Panel

| Position | Assay       | Name                   | Symbol | Ensembl ID         | Description                                                                                      |
|----------|-------------|------------------------|--------|--------------------|--------------------------------------------------------------------------------------------------|
| A01      | UPFM0783609 | ENSMUST00000047753.4   | Abcb1a | ENSMUSG0000040584  | ATP-binding cassette, sub-family B (MDR/TAP), member 1A Source MGI Symbol Acc MGI 97570          |
| A02      | UPFM0861129 | ENSMUST000000147213.7  | Abcg2  | ENSMUSG00000029802 | ATP binding cassette subfamily G member 2 (Junior blood group) Source MGI Symbol Acc MGI 1347061 |
| A03      | UPFM0816931 | ENSMUST000000114107.2  | Adam23 | ENSMUSG00000025964 | a disintegrin and metallopeptidase domain 23 Source MGI Symbol Acc MGI 1345162                   |
| A04      | UPFM0827860 | ENSMUST000000139388.2  | Akt1   | ENSMUSG0000001729  | thymoma viral proto-oncogene 1 Source MGI Symbol Acc MGI 87986                                   |
| A05      | UPFM0822814 | ENSMUST000000163295.1  | Apc    | ENSMUSG00000005871 | APC, WNT signaling pathway regulator Source MGI Symbol Acc MGI 88039                             |
| A06      | UPFM0784222 | ENSMUST000000052837.8  | Ar     | ENSMUSG0000046532  | androgen receptor Source MGI Symbol Acc MGI 88064                                                |
| A07      | UPFM0708773 | ENSMUST000000150244.1  | Atm    | ENSMUSG00000034218 | ataxia telangiectasia mutated Source MGI Symbol Acc MGI 107202                                   |
| A08      | UPFM0700303 | ENSMUST000000025910.12 | Bad    | ENSMUSG00000024959 | BCL2-associated agonist of cell death Source MGI Symbol Acc MGI 1096330                          |
| A09      | UPFM0635853 | ENSMUST000000112751.1  | Bcl2   | ENSMUSG00000057329 | B cell leukemia/lymphoma 2 Source MGI Symbol Acc MGI 88138                                       |
| A10      | UPFM0854913 | ENSMUST000000081387.10 | Birc5  | ENSMUSG00000017716 | baculoviral IAP repeat-containing 5 Source MGI Symbol Acc MGI 1203517                            |
| A11      | UPFM0989907 | ENSMUST000000156843.1  | Brca1  | ENSMUSG00000017146 | breast cancer 1, early onset Source MGI Symbol Acc MGI 104537                                    |
| A12      | UPFM0774522 | ENSMUST000000201226.1  | Brca2  | ENSMUSG00000041147 | breast cancer 2, early onset Source MGI Symbol Acc MGI 109337                                    |
| B01      | UPFM0794983 | ENSMUST000000029368.6  | Ccna1  | ENSMUSG00000027793 | cyclin A1 Source MGI Symbol Acc MGI 108042                                                       |
| B02      | UPFM0933463 | ENSMUST000000208193.1  | Ccnd1  | ENSMUSG00000070348 | cyclin D1 Source MGI Symbol Acc MGI 88313                                                        |
| B03      | UPFM0861442 | ENSMUST000000201066.1  | Ccnd2  | ENSMUSG00000000184 | cyclin D2 Source MGI Symbol Acc MGI 88314                                                        |
| B04      | UPFM0977827 | ENSMUST000000130329.1  | Ccne1  | ENSMUSG00000002068 | cyclin E1 Source MGI Symbol Acc MGI 88316                                                        |
| B05      | UPFM0883177 | ENSMUST000000136580.1  | Cdh1   | ENSMUSG00000000303 | cadherin 1 Source MGI Symbol Acc MGI 88354                                                       |
| B06      | UPFM0727192 | ENSMUST000000145849.7  | Cdh13  | ENSMUSG00000031841 | cadherin 13 Source MGI Symbol Acc MGI 99551                                                      |
| B07      | UPFM0898239 | ENSMUST000000219601.1  | Cdk2   | ENSMUSG00000025358 | cyclin-dependent kinase 2 Source MGI Symbol Acc MGI 104772                                       |
| B08      | UPFM0867791 | ENSMUST000000122348.2  | Cdkn1a | ENSMUSG00000023067 | cyclin-dependent kinase inhibitor 1A (P21) Source MGI Symbol Acc MGI 104556                      |
| B09      | UPFM0619493 | ENSMUST000000037287.7  | Cdkn1c | ENSMUSG00000037664 | cyclin-dependent kinase inhibitor 1C (P57) Source MGI Symbol Acc MGI 104564                      |
| B10      | UPFM0702776 | ENSMUST000000107131.1  | Cdkn2a | ENSMUSG00000044303 | cyclin dependent kinase inhibitor 2A Source MGI Symbol Acc MGI 104738                            |
| B11      | UPFM0643933 | ENSMUST000000155557.1  | Csf1   | ENSMUSG00000014599 | colony stimulating factor 1 (macrophage) Source MGI Symbol Acc MGI 1339753                       |
| B12      | UPFM0942801 | ENSMUST000000237627.1  | Cst6   | ENSMUSG00000024846 | cystatin E/M Source MGI Symbol Acc MGI 1920970                                                   |
| C01      | UPFM0985863 | ENSMUST000000154356.7  | Ctnnb1 | ENSMUSG00000006932 | catenin (cadherin associated protein), beta 1 Source MGI Symbol Acc MGI 88276                    |
| C02      | UPFM0968002 | ENSMUST000000153679.1  | Ctsd   | ENSMUSG00000007891 | cathepsin D Source MGI Symbol Acc MGI 88562                                                      |
| C03      | UPFM0925725 | ENSMUST000000199615.4  | Egf    | ENSMUSG00000028017 | epidermal growth factor Source MGI Symbol Acc MGI 95290                                          |
| C04      | UPFM0808781 | ENSMUST000000125984.1  | Egfr   | ENSMUSG00000020122 | epidermal growth factor receptor Source MGI Symbol Acc MGI 95294                                 |
| C05      | UPFM0995088 | ENSMUST000000136032.1  | ErbB2  | ENSMUSG00000062312 | erb-b2 receptor tyrosine kinase 2 Source MGI Symbol Acc MGI 95410                                |
| C06      | UPFM0832263 | ENSMUST000000105590.7  | Esr1   | ENSMUSG00000019768 | estrogen receptor 1 (alpha) Source MGI Symbol Acc MGI 1352467                                    |
| C07      | UPFM0656715 | ENSMUST000000133564.8  | Esr2   | ENSMUSG00000021055 | estrogen receptor 2 (beta) Source MGI Symbol Acc MGI 109392                                      |
| C08      | UPFM0641138 | ENSMUST000000044380.7  | Foxa1  | ENSMUSG00000035451 | forkhead box A1 Source MGI Symbol Acc MGI 1347472                                                |
| C09      | UPFM0703910 | ENSMUST000000151456.1  | Gata3  | ENSMUSG00000015619 | GATA binding protein 3 Source MGI Symbol Acc MGI 95663                                           |
| C10      | UPFM0963642 | ENSMUST000000218236.1  | Gli1   | ENSMUSG00000025407 | GLI-Kruppel family member GLI1 Source MGI Symbol Acc MGI 95727                                   |
|          | UPFM066330  | ENSMUST000000          |        | ENSMUSG00          |                                                                                                  |

| Position | Assay           | Name                      | Symbol   | Ensembl ID             | Description                                                                                 |
|----------|-----------------|---------------------------|----------|------------------------|---------------------------------------------------------------------------------------------|
| C11      | 7               | 019456.4                  | Grb7     | 000019312              | growth factor receptor bound protein 7 Source MGI Symbol Acc MGI 102683                     |
| C12      | UPFM078306<br>5 | ENSMUST00000<br>237893.1  | Gstp1    | ENSMUSG00<br>000060803 | glutathione S-transferase, pi 1 Source MGI Symbol Acc MGI 95865                             |
| D01      | UPFM097894<br>5 | ENSMUST00000<br>055619.4  | Hic1     | ENSMUSG00<br>000043099 | hypermethylated in cancer 1 Source MGI Symbol Acc MGI 1338010                               |
| D02      | UPFM085834<br>2 | ENSMUST00000<br>109824.1  | Id1      | ENSMUSG00<br>000042745 | inhibitor of DNA binding 1 Source MGI Symbol Acc MGI 96396                                  |
| D03      | UPFM092941<br>8 | ENSMUST00000<br>121161.7  | Igf1     | ENSMUSG00<br>000020053 | insulin-like growth factor 1 Source MGI Symbol Acc MGI 96432                                |
| D04      | UPFM065329<br>9 | ENSMUST00000<br>208871.1  | Igf1r    | ENSMUSG00<br>000005533 | insulin-like growth factor I receptor Source MGI Symbol Acc MGI 96433                       |
| D05      | UPFM096898<br>6 | ENSMUST00000<br>020702.10 | Igfbp3   | ENSMUSG00<br>000020427 | insulin-like growth factor binding protein 3 Source MGI Symbol Acc MGI 96438                |
| D06      | UPFM072909<br>9 | ENSMUST00000<br>195978.4  | Il6      | ENSMUSG00<br>000025746 | interleukin 6 Source MGI Symbol Acc MGI 96559                                               |
| D07      | UPFM097521<br>6 | ENSMUST00000<br>107094.1  | Jun      | ENSMUSG00<br>000052684 | jun proto-oncogene Source MGI Symbol Acc MGI 96646                                          |
| D08      | UPFM090752<br>8 | ENSMUST00000<br>023803.7  | Krt18    | ENSMUSG00<br>000023043 | keratin 18 Source MGI Symbol Acc MGI 96692                                                  |
| D09      | UPFM100132<br>1 | ENSMUST00000<br>007317.7  | Krt19    | ENSMUSG00<br>000020911 | keratin 19 Source MGI Symbol Acc MGI 96693                                                  |
| D10      | UPFM094479<br>5 | ENSMUST00000<br>023709.6  | Krt5     | ENSMUSG00<br>000061527 | keratin 5 Source MGI Symbol Acc MGI 96702                                                   |
| D11      | UPFM066812<br>9 | ENSMUST00000<br>023952.9  | Krt8     | ENSMUSG00<br>000049382 | keratin 8 Source MGI Symbol Acc MGI 96705                                                   |
| D12      | UPFM066625<br>9 | ENSMUST00000<br>232611.1  | Mapk1    | ENSMUSG00<br>000063358 | mitogen-activated protein kinase 1 Source MGI Symbol Acc MGI 1346858                        |
| E01      | UPFM094029<br>9 | ENSMUST00000<br>205657.1  | Mapk3    | ENSMUSG00<br>000063065 | mitogen-activated protein kinase 3 Source MGI Symbol Acc MGI 1346859                        |
| E02      | UPFM091565<br>7 | ENSMUST00000<br>111944.9  | Mapk8    | ENSMUSG00<br>000021936 | mitogen-activated protein kinase 8 Source MGI Symbol Acc MGI 1346861                        |
| E03      | UPFM071101<br>1 | ENSMUST00000<br>081510.3  | Mgmt     | ENSMUSG00<br>000054612 | O-6-methylguanine-DNA methyltransferase Source MGI Symbol Acc MGI 96977                     |
| E04      | UPFM068163<br>0 | ENSMUST00000<br>211238.1  | Mki67    | ENSMUSG00<br>000031004 | antigen identified by monoclonal antibody Ki 67 Source MGI Symbol Acc MGI 106035            |
| E05      | UPFM084504<br>4 | ENSMUST00000<br>135695.1  | Mlh1     | ENSMUSG00<br>000032498 | mutL homolog 1 Source MGI Symbol Acc MGI 101938                                             |
| E06      | UPFM073737<br>4 | ENSMUST00000<br>211567.1  | Mmp2     | ENSMUSG00<br>000031740 | matrix metalloproteinase 2 Source MGI Symbol Acc MGI 97009                                  |
| E07      | UPFM079930<br>8 | ENSMUST00000<br>017881.2  | Mmp9     | ENSMUSG00<br>000017737 | matrix metalloproteinase 9 Source MGI Symbol Acc MGI 97011                                  |
| E08      | UPFM073058<br>5 | ENSMUST00000<br>041142.3  | Muc1     | ENSMUSG00<br>000042784 | mucin 1, transmembrane Source MGI Symbol Acc MGI 97231                                      |
| E09      | UPFM081421<br>4 | ENSMUST00000<br>161976.7  | Myc      | ENSMUSG00<br>000022346 | myelocytomatosis oncogene Source MGI Symbol Acc MGI 97250                                   |
| E10      | UPFM090234<br>6 | ENSMUST00000<br>135884.7  | Nme1     | ENSMUSG00<br>000037601 | NME/NM23 nucleoside diphosphate kinase 1 Source MGI Symbol Acc MGI 97355                    |
| E11      | UPFM079598<br>7 | ENSMUST00000<br>126872.7  | Notch1   | ENSMUSG00<br>000026923 | notch 1 Source MGI Symbol Acc MGI 97363                                                     |
| E12      | UPFM075838<br>6 | ENSMUST00000<br>097592.8  | Nr3c1    | ENSMUSG00<br>000024431 | nuclear receptor subfamily 3, group C, member 1 Source MGI Symbol Acc MGI 95824             |
| F01      | UPFM070208<br>6 | ENSMUST00000<br>070463.9  | Pgr      | ENSMUSG00<br>000031870 | progesterone receptor Source MGI Symbol Acc MGI 97567                                       |
| F02      | UPFM083661<br>6 | ENSMUST00000<br>224141.1  | Plau     | ENSMUSG00<br>000021822 | plasminogen activator, urokinase Source MGI Symbol Acc MGI 97611                            |
| F03      | UPFM076748<br>5 | ENSMUST00000<br>154280.7  | Prdm2    | ENSMUSG00<br>000057637 | PR domain containing 2, with ZNF domain Source MGI Symbol Acc MGI 107628                    |
| F04      | UPFM089742<br>6 | ENSMUST00000<br>013807.7  | Pten     | ENSMUSG00<br>000013663 | phosphatase and tensin homolog Source MGI Symbol Acc MGI 109583                             |
| F05      | UPFM100449<br>2 | ENSMUST00000<br>190784.1  | Ptgs2    | ENSMUSG00<br>000032487 | prostaglandin-endoperoxide synthase 2 Source MGI Symbol Acc MGI 97798                       |
| F06      | UPFM084237<br>4 | ENSMUST00000<br>033056.4  | Pycard   | ENSMUSG00<br>000030793 | PYD and CARD domain containing Source MGI Symbol Acc MGI 1931465                            |
| F07      | UPFM067401<br>5 | ENSMUST00000<br>063750.7  | Rarb     | ENSMUSG00<br>000017491 | retinoic acid receptor, beta Source MGI Symbol Acc MGI 97857                                |
| F08      | UPFM080094<br>7 | ENSMUST00000<br>093786.8  | Rassf1   | ENSMUSG00<br>000010067 | Ras association (RalGDS/AF-6) domain family member 1 Source MGI Symbol Acc MGI 1928386      |
| F09      | UPFM077278<br>8 | ENSMUST00000<br>022701.6  | Rb1      | ENSMUSG00<br>000022105 | RB transcriptional corepressor 1 Source MGI Symbol Acc MGI 97874                            |
| F10      | UPFM070788<br>6 | ENSMUST00000<br>041388.10 | Serpine1 | ENSMUSG00<br>000037411 | serine (or cysteine) peptidase inhibitor, clade E, member 1 Source MGI Symbol Acc MGI 97608 |

| Position | Assay           | Name                      | Symbol   | Ensembl ID             | Description                                                                                     |
|----------|-----------------|---------------------------|----------|------------------------|-------------------------------------------------------------------------------------------------|
| F11      | UPFM094111<br>4 | ENSMUST00000<br>057311.3  | Sfn      | ENSMUSG00<br>000047281 | stratifin Source MGI Symbol Acc MGI 1891831                                                     |
| F12      | UPFM083115<br>9 | ENSMUST00000<br>033952.7  | Sfrp1    | ENSMUSG00<br>000031548 | secreted frizzled-related protein 1 Source MGI Symbol Acc MGI 892014                            |
| G01      | UPFM071357<br>2 | ENSMUST00000<br>128106.1  | Slc39a6  | ENSMUSG00<br>000024270 | solute carrier family 39 (metal ion transporter), member 6 Source MGI Symbol<br>Acc MGI 2147279 |
| G02      | UPFM066967<br>1 | ENSMUST00000<br>197400.4  | Slit2    | ENSMUSG00<br>000031558 | slit guidance ligand 2 Source MGI Symbol Acc MGI 1315205                                        |
| G03      | UPFM072669<br>0 | ENSMUST00000<br>023356.7  | Snai2    | ENSMUSG00<br>000022676 | snail family zinc finger 2 Source MGI Symbol Acc MGI 1096393                                    |
| G04      | UPFM071690<br>7 | ENSMUST00000<br>109531.7  | Src      | ENSMUSG00<br>000027646 | Rous sarcoma oncogene Source MGI Symbol Acc MGI 98397                                           |
| G05      | UPFM097492<br>2 | ENSMUST00000<br>024827.4  | Tff3     | ENSMUSG00<br>000024029 | trefoil factor 3, intestinal Source MGI Symbol Acc MGI 104638                                   |
| G06      | UPFM066688<br>0 | ENSMUST00000<br>171757.1  | Tgfb1    | ENSMUSG00<br>000002603 | transforming growth factor, beta 1 Source MGI Symbol Acc MGI 98725                              |
| G07      | UPFM072927<br>9 | ENSMUST00000<br>039559.8  | Thbs1    | ENSMUSG00<br>000040152 | thrombospondin 1 Source MGI Symbol Acc MGI 98737                                                |
| G08      | UPFM066913<br>3 | ENSMUST00000<br>171247.7  | Trp53    | ENSMUSG00<br>000059552 | transformation related protein 53 Source MGI Symbol Acc MGI 98834                               |
| G09      | UPFM092417<br>3 | ENSMUST00000<br>105643.7  | Trp73    | ENSMUSG00<br>000029026 | transformation related protein 73 Source MGI Symbol Acc MGI 1336991                             |
| G10      | UPFM089781<br>8 | ENSMUST00000<br>049089.6  | Twist1   | ENSMUSG00<br>000035799 | twist basic helix-loop-helix transcription factor 1 Source MGI Symbol Acc MGI<br>98872          |
| G11      | UPFM117296<br>6 | ENSMUST00000<br>214739.1  | Vegfa    | ENSMUSG00<br>000023951 | vascular endothelial growth factor A Source MGI Symbol Acc MGI 103178                           |
| G12      | UPFM075379<br>9 | ENSMUST00000<br>149623.7  | Xbp1     | ENSMUSG00<br>000020484 | X-box binding protein 1 Source MGI Symbol Acc MGI 98970                                         |
| H01      | UPFM113294<br>6 | ENSMUST00000<br>163829.1  | Actb     | ENSMUSG00<br>000029580 | actin, beta Source MGI Symbol Acc MGI 87904                                                     |
| H02      | UPFM113294<br>7 | ENSMUST00000<br>102476.4  | B2m      | ENSMUSG00<br>000060802 | beta-2 microglobulin Source MGI Symbol Acc MGI 88127                                            |
| H03      | UPFM113294<br>8 | ENSMUST00000<br>117757.8  | Gapdh    | ENSMUSG00<br>000057666 | glyceraldehyde-3-phosphate dehydrogenase Source MGI Symbol Acc MGI<br>95640                     |
| H04      | UPFM113294<br>9 | ENSMUST00000<br>026613.13 | Gusb     | ENSMUSG00<br>000025534 | glucuronidase, beta Source MGI Symbol Acc MGI 95872                                             |
| H05      | UPFM113295<br>0 | ENSMUST00000<br>166469.7  | Hsp90ab1 | ENSMUSG00<br>000023944 | heat shock protein 90 alpha (cytosolic), class B member 1 Source MGI Symbol<br>Acc MGI 96247    |
| H06      | UPFM112660<br>9 | UPL_MGDC                  | MGDC     | UPL_MGDC               | Mouse Genomic DNA Contamination                                                                 |
| H07      | UPFH1126606     | UPL_QIC                   | QIC      | UPL_QIC                | QuantiNova Internal Control                                                                     |
| H08      | UPFH1126606     | UPL_QIC                   | QIC      | UPL_QIC                | QuantiNova Internal Control                                                                     |
| H09      | UPFH1126606     | UPL_QIC                   | QIC      | UPL_QIC                | QuantiNova Internal Control                                                                     |
| H10      | UPFH1126605     | UPL_PPC                   | PPC      | UPL_PPC                | Positive PCR Control                                                                            |
| H11      | UPFH1126605     | UPL_PPC                   | PPC      | UPL_PPC                | Positive PCR Control                                                                            |
| H12      | UPFH1126605     | UPL_PPC                   | PPC      | UPL_PPC                | Positive PCR Control                                                                            |



## Related products

| Product                                    | Contents                                                                                                                                                                                                                                               | Cat. no. |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| QuantiNova LNA Probe PCR QC Panel          | These panels are designed to assess the quality of RNA samples before characterization using QuantiNova LNA Probe PCR Focus Panels; available in 96-well, 384-well, and Rotor-Disc 100 formats                                                         | 249945   |
| QuantiNova Reverse Transcription Kit (10)* | For 10 x 20 $\mu$ l reactions: 20 $\mu$ l 8x gDNA Removal Mix, 10 $\mu$ l Reverse Transcription Enzyme, 40 $\mu$ l Reverse Transcription Mix (containing RT primers), 20 $\mu$ l Internal Control RNA, 1.9 ml RNase-Free Water                         | 205410   |
| QuantiNova Probe RT-PCR Kit (100)*         | For 100 x 20 $\mu$ l reactions: 1 ml QuantiNova Probe RT-PCR Master Mix, 20 $\mu$ l QuantiNova Probe RT Mix, 20 $\mu$ l Internal Control RNA, 500 $\mu$ l Yellow Template Dilution Buffer, 250 $\mu$ l ROX Reference Dye, 1.9 $\mu$ l RNase-Free Water | 208352   |
| QuantiNova Probe PCR Kit (100)*            | For 100 x 20 $\mu$ l reactions: 1 ml 2x QuantiNova Probe PCR Master Mix, 500 $\mu$ l QuantiNova Yellow Template Dilution Buffer, 250 $\mu$ l QN ROX Reference Dye, 1.9 ml Water                                                                        | 208252   |

\*Larger kit sizes available.

The QuantiNova LNA Probe PCR Focus Panels are intended for molecular biology applications. These products are not intended for the diagnosis, prevention or treatment of a disease.

For up-to-date licensing information and product-specific disclaimers, see the respective QIAGEN kit handbook or user manual. QIAGEN kit handbooks and user manuals are available at [www.qiagen.com](http://www.qiagen.com) or can be requested from QIAGEN Technical Services or your local distributor.

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