

Custom Taqman Gene Expression Assays

10 ul reaction volume



| | Small scale Reagent Packs | Medium scale Reagent Packs | Large scale Reagent Packs |
|----------------------------------|--|--|---|
| Primers & Probes | 4331348 Custom TaqMan GX Assays, small sca \$ 410 Reactions: 360 Cost/rxn: \$ 1.14 | 4332078 Custom TaqMan GX Assays, medium sc \$ 820 Reactions: 1,500 Cost/rxn: \$ 0.55 | 4332079 Custom TaqMan GX Assays, large scale \$ 1,480 Reactions: 5,800 Cost/rxn: \$ 0.26 |
| Reagents | 4304437 TaqMan Universal Master Mix (1x5ml) \$ 650 Reactions: 500 Cost/rxn: \$ 1.30 | 4364340 TaqMan Universal Master Mix (5x5ml) \$ 2,130 Reactions: 5,000 Cost/rxn: \$ 0.43 | 4326708 TaqMan Universal Master Mix (1x50ml) \$ 3,990 Reactions: 10,000 Cost/rxn: \$ 0.40 |
| Wells (plasticware) | 4309849 384-Well Reaction Plates with Barcode (code 128), 50 plates \$ 410 Wells used: 19,200 (per plate, 384 max) Cost/well: \$ 0.02 | 4326270 384-Well Reaction Plates with Barcode (code 128), 500 plates \$ 3,090 Wells used: 192,000 (per plate, 384 max) Cost/well: \$ 0.02 | 4343814 384-Well Reaction Plates with Barcode (Code 128), 1000 plates \$ 5,170 Wells used: 384,000 (per plate, 384 max) Cost/well: \$ 0.01 |
| Well Covers (plate seals) | 4360954 Optical Adhesive Covers, 25 covers \$ 90 Wells used: 9,600 (per plate, 384 max) Cost/well: \$ 0.01 | 4311971 Optical Adhesive Covers, 100 covers \$ 290 Wells used: 38,400 (per plate, 384 max) Cost/well: \$ 0.01 | 4311971 Optical Adhesive Covers, 100 covers \$ 290 Wells used: 38,400 (per plate, 384 max) Cost/well: \$ 0.01 |
| Totals | Cost per reaction using small scale reagents: <u>\$ 2.47</u> unrounded: \$ 2.4696 | Cost per reaction using medium scale reagents: <u>\$ 1.00</u> unrounded: \$ 0.9963 | Cost per reaction using large scale reagents: <u>\$ 0.68</u> unrounded: \$ 0.6752 |

Notes

Australian dollar list prices are shown. Prices are calculated based on the reaction volumes detailed above.

When determining costs, the total number of assays will decide whether buying small or large pack sizes is most appropriate.

A combination of small- and large-scale pack sizes may be the best option. If more than one gene is to be assayed then the reagent and plasticware costs can be spread over all assays in the project.