# RT PCR dual-labeled probes

The technology of dual-labeled hydrolysis probes (also called TaqMan® probes) exploits the 5´-3´ exonuclease activity of Taq DNA polymerase to cleave dual-labeled hydrolysis probes. Hydrolysis probes are labeled at the 5´ end with a fluorescent dye (reporter) and at the 3´ end with a quencher.

The probes are HPLC purified (no additional fee).

**Available amounts:** 1 nmol (common probes), 5 nmol, 10 nmol, 20 nmol a 50 nmol

| Product | Amount of probe | | | | |
|---|---|---|---|---|---|
| | 1 nmol | 5 nmol | 10 nmol | 20 nmol | 50 nmol |
| Probe FAM-BHQ1 | 1500-001 | 1500-005 | 1500-010 | 1500-020 | 1500-050 |
| Probe HEX-BHQ1 | 1501-001 | 1501-005 | 1501-010 | 1501-020 | 1501-050 |
| Probe Cy3-BHQ2 | 1502-001 | 1502-005 | 1502-010 | 1502-020 | 1502-050 |
| Probe Cy3.5-BHQ2 | 1529-001 | 1529-005 | 1529-005 | 1529-020 | 1529-050 |
| Probe Cy5-BHQ2 | 1503-001 | 1503-005 | 1503-010 | 1503-020 | 1503-050 |
| Probe Cy5.5-BHQ2 | 1530-001 | 1530-005 | 1530-010 | 1530-020 | 1530-050 |
| Probe ROX-BHQ2 | x | 1531-005 | 1531-010 | 1531-020 | 1531-050 |
| Probe Cy5-BBQ650 | x | 1532-005 | 1532-010 | 1532-020 | 1532-050 |
| Probe HEX-BBQ650 | x | 1533-005 | 1533-010 | 1533-020 | 1533-050 |
| Probe ROX-BBQ650 | x | 1534-005 | 1534-010 | 1534-020 | 1534-050 |

*In the table are stated catalogue numbers of modifications*
*x - unavailable combination*

*Quencher BBQ is covered by US Patent 7,879,986.*

**Attention:** probes containing a fluorophore are recommended to be stored in the dark.