

Dual-labeled hydrolysis 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, 5 nmol, 10 nmol and 50 nmol

Product	Amount of probe				
	1 nmol	5 nmol	10 nmol	20 nmol	50 nmol
Cy3-BHQ2	x	1502-005	1502-010	1502-020	1502-050
Cy3,5-BHQ2	x	✓	✓	✓	✓
Cy5-BHQ2	x	1503-005	1503-010	1503-020	1503-050
Cy5,5-BHQ2	x	1530-005	1530-010	1530-020	1530-050
FAM-BHQ1	1500-001	1500-005	1500-010	1500-020	1500-050
HEX-BHQ1	x	1501-005	1501-010	1501-020	1501-050

When a quantity of probes (of the same type, of the same amount) are simultaneously ordered, bulk prices are applied as follows:

- **BULK PROBE 5+** (for 5 or more ordered probes)
- **BULK PROBE 10+** (for 10 or more ordered probes)

BULK PROBE 5+

Product	Amount of probe	
	5 nmol	10 nmol
Cy3-BHQ2	1512-005	1512-010
Cy3,5-BHQ2	✓	✓
Cy5-BHQ2	1513-005	1513-010
Cy5,5-BHQ2	✓	✓
FAM-BHQ1	1510-005	1510-010
HEX-BHQ1	1511-005	1511-010

BULK PROBE 10+

Product	Amount of probe	
	5 nmol	10 nmol
Cy3-BHQ2	1522-005	1522-010
Cy3,5-BHQ2	✓	✓
Cy5-BHQ2	1523-005	1523-010
Cy5,5-BHQ2	✓	✓
FAM-BHQ1	1520-005	1520-010
HEX-BHQ1	1521-005	1521-010

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

In the table are stated catalogue numbers of modifications

- ✓ the modification has a limitation and can be provided only after consultation; we can give a price quotation after you select your specific sequence to be modified and its scale
- x unavailable combination

