

INTERNAL STANDARD SEQUENCES USED FOR PIPPINHT CASSETTES:

1.5% DF marker 15C (contains 50-mer, 150-mer)

2%DF marker 20B (contains 30-mer, 85-mer)

3% DF marker 30G (contains 50-mer, 85-mer)

(Standards are duplexes of 2 complementary, fluorescently labeled single-stranded oligos. Both strands are labeled on the 5' ends.)

Only the top strand is shown below.

50-mer (15C)

5'-Dye-ATCGCGGATTAGCACTACGCATCGGTTACAAACGAGGACCTGATGCACTT-3'

150-mer (15C)

5'-Dye-ATCGAGGATTACCACTACGCTACGTTCACTAACGAGGACTCCTACCACTTTGACGACTTGTACCGATGTAA
GTTCCGACCGTGACCGAATCAGGTTAGCCAGATCGCATAAGTAATTTCCAGGGACTGATGCACTTTGACGACTTGT
ACC-3'

30-mer (20B)

5'-Dye-ATCGCGGATTAGCACTACGCATCGGTTACA-3'

85-mer (20B)

5'-Dye-ATCGCGGATTAGCACTACGCATCGGTTACAAACGAGGACCTGATGCACTTTGACAGCATGATCGG
ATGTAAGTTCGACGCTAGCC-3'

50-mer (30G)

5'-Dye-ATCGCGGATTAGCACTACGCATCGGTTACAAACGAGGACCTGATGCACTT-3'

85-mer (30G)

5'-Dye-ATCGCGGATTAGCACTACGCATCGGTTACAAACGAGGACCTGATGCACTTTGACAGCATGATCGG
ATGTAAGTTCGACGCTAGCC-3'