

VisionArray® Arrays for DNA analysis

The VisionArray Detection Kit should be used in combination with a VisionArray PreCise Master Mix and a corresponding VisionArray Chip for the qualitative detection of specific DNA sequences. The automated analysis has to be performed with a VisionArray Analysis Package.

1) Preparatory Steps

- Prepare 1x Wash Buffer
- Prewarm Hybridizer or hybridization oven to 42 °C
Hybridization Solution, Detection Solution, Blue Spot Solution, 1x Wash Buffer to RT
- Remove protective cover from the blue frame on the chip

2) Hybridization

- Mix 20 µl Hybridization Solution with 10 µl PCR product
- Apply 30 µl Hybridization mix to the array field
- Close array field with the plastic lid
- Hybridize 30 min 42 °C

3) Post-Hybridization

- Remove the plastic lid from the chip
- Agitate 1x Wash Buffer 3x RT
- Incubate 1x Wash Buffer 1 min RT
- Centrifuge 15 sec RT

This is a condensed protocol for the VisionArray® Detection Kit and should not replace the instruction for use!

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4) Detection

- Apply 100 µl Detection Solution 10 min RT
- Agitate 1x Wash Buffer 3x RT
- Incubate 1x Wash Buffer 1 min RT
- Centrifuge 15 sec RT
- Apply 100 µl Blue Spot Solution 5 min RT
- Wash 1x Wash Buffer 15 sec RT
- Centrifuge 30 sec RT

VisionArray Detection

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