

VisionArray® Arrays for DNA analysis

The VisionArray Detection Kit should be used in combination with the VisionArray Primer Kit and VisionArray Chip for the qualitative detection of specific DNA sequences. The automated analysis has to be performed with the 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!

VisionArray® Arrays for DNA analysis

4) Detection

- Apply 100 µl Detection Solution 10 min RT
- Agitate 1x Wash Buffer 3x RT
- Incubate 1x Wash Buffer 1min 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

VisionArray Detection

VisionArray® Arrays for DNA analysis

The VisionArray Detection Kit should be used in combination with the VisionArray Primer Kit and VisionArray Chip for the qualitative detection of specific DNA sequences. The automated analysis has to be performed with the 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!

VisionArray® Arrays for DNA analysis

4) Detection

- Apply 100 µl Detection Solution 10 min RT
- Agitate 1x Wash Buffer 3x RT
- Incubate 1x Wash Buffer 1min 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