

# THE SCIENCE OF



RAPID ASSAY  
DEVELOPMENT



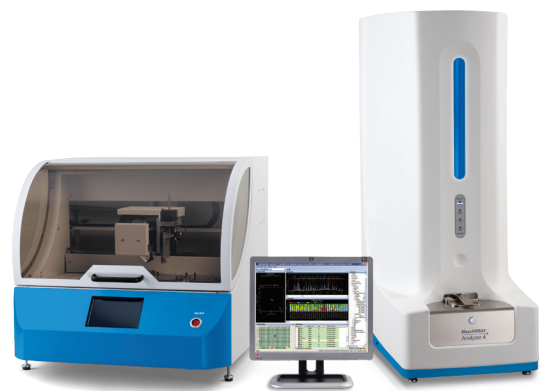
## Assays by Agena

### EXPERIENCED. RELIABLE. FAST.

Meeting the needs of researchers with comprehensive MassARRAY® System services and custom assay designs.

Let the experienced scientists at Assays by Agena support your research efforts by:

- ❖ Designing and verifying SNP or somatic mutation assays customized to your needs.
- ❖ Providing an extended menu of pre-designed genotyping and somatic mutation panels, for use on the MassARRAY System. See reverse side for a list of Agena Bioscience's cancer panels.
- ❖ Providing fast and reliable sample processing from DNA to results, using either custom assays we have designed for you, or the Agena Bioscience pre-designed panels.



For Research Use Only. Not for use in diagnostic procedures.

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**Agena**  
BIOSCIENCE

## AGENA BIOSCIENCE CANCER PANELS

- UltraSEEK™ Oncogene Panel v1.0. Screen for 26 somatic mutations in 12 key oncogenes in heterogeneous tumor and blood samples at ≤ 1% frequency.
- OncoFOCUS™ Panel v1.0. Screen and confirm over 300 high relevance somatic mutations in *EGFR*, *KRAS*, *NRAS*, and *BRAF*.
- OncoCarta™ Panel v1.0. Screen for 238 somatic mutations across 19 common oncogenes.
- LungCarta™ Panel v1.0. Evaluate 214 somatic mutations in 26 oncogenes and tumor suppressors in non-small cell lung tumors.
- MelaCarta™ Panel v1.0. Screen melanoma samples using a targeted discovery panel of more than 70 somatic mutations in 20 genes.
- GyneCarta™ Panel v1.0. Screen gynecological tumor samples using a targeted discovery panel of 168 hotspot mutations in 13 genes.
- OncoCarta™ Panel v2.0. Screen for 152 somatic mutations across 18 cancer genes and tumor suppressors
- OncoCarta™ Panel v3.0. Screen for 105 somatic mutations across 22 cancer genes.
- *ALK/RET/ROS1* Fusion Screening Panel. Screen for known or de novo *ALK*, *RET*, and *ROS1* translocations in non-small cell lung cancer and other cancer types.
- *ALK* Fusion Variant Panel. Screen 11 *EML4-ALK* and 2 *KIF5B-ALK* translocations and 2 *ALK* somatic mutations in non-small cell lung cancer and other cancer types.

## ASSAYS BY AGENA SERVICES

### Custom assay design

Our Assays by Agena scientists can design and verify SNP and somatic mutation assays tailored to your research needs. We use a consultative process to understand your objectives and goals before matching them to the capabilities of the MassARRAY® System and your chosen application.

### Analysis of your samples in our lab

Ship your samples to our Assays by Agena Custom Services Laboratory and let us analyze them for you. Our professional team plans and manages each project with milestones and timelines, from DNA shipment to results reporting. Your samples can be run using any of the Assays by Agena pre-designed panels, or with custom assays we have designed to meet your specific needs.

The MassARRAY System, Assays by Agena Services, and the MelaCarta, GyneCarta, OncoCarta (v1.0, v2.0 and v3.0), *ALK/RET/ROS1* Fusion, *ALK* Fusion Variant, OncoFOCUS, LungCarta, and UltraSEEK Oncogene panels are For Research Use Only. Not for use in diagnostic procedures.

Agena Bioscience's patented nucleic acid analysis by mass spectrometry methods and products are protected under United States patent rights including but not limited to 5,869,242; 6,024,925; 6,238,871; 6,258,538; 6,300,076; 6,440,705; 6,500,621; 6,558,623; 6,569,385; 6,979,425; 6,994,969; 7,019,288; 7,025,933; 7,285,422; 7,332,275; 7,390,672; 7,419,787; 7,501,251; 7,888,127; 8,003,317; 8,034,567; 8,315,805; and 8,349,566 and patents pending including but not limited to 20050272070 and 20130017960, and foreign counterparts including but not limited to, EP0815261B1, EP173622B1, EP1727911B1, EP1546385B1, EP1332000B1, EP1613723B1, EP1660680B1, and EP2107129B1.

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