

A photograph of the TwoVo13 ablation cell, showing a blue protective cover on the left and a clear orange protective shield on the right. Inside, a gold-colored circular component is visible. The text 'TwoVo13' is overlaid in white on the blue background.

TwoVo13

1 ms PEAK WIDTH

THE FASTEST
ABLATION CELL

*The ultimate ablation chamber
for both elemental imaging and isotope ratio measurements*

Features

Fastest ablation chamber

Pixel Acquisition

User switchable modes

XYZ Stages

< 1 ms peak widths!

Fully resolved up to 1 kHz

- 1) Imaging Mode – for highest resolution imaging in the shortest time
- 2) Analytical Mode – for unmatched spatial reproducibility to limit variation (< 1%) in elemental and isotopic ratio determination

Fast, closed loop, 100 mm x 100 mm XY stages provide 10 nm accuracy

TwoVol3

Specifications summary

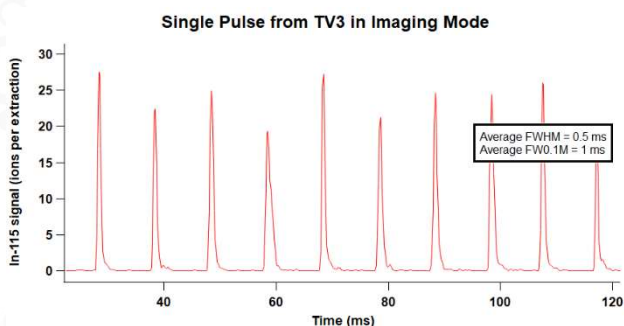


Performance Specifications

| | |
|------------------------|---|
| Peak Width | Imaging Mode: < 1ms Analytical Mode: < 700 ms (smoothing available) |
| Baseline Resolution | 1 kHz |
| Signal Reproducibility | < 1.5 % RSD |
| Stage Travel | 100mm x 100mm |
| Aerosol Path | Imaging Mode: Fixed geometry, linear, direct to ICP. Lefthand and Righthand outlet. |
| Stage Type | Closed loop linear |
| Stage Repeatability | 100 nm |
| Stage Resolution | 10 nm XYZ |
| Stage Speed | 20 mm sec-1 |
| Gas Handling | 2 He Mass Flow Controllers Unique and patented internal bypass valving |
| Purge | Patented Typhoon purge with dedicated bottom purge outlet for complete purge in < 5 mins |



High resolution elemental imaging can now be performed faster than ever before with the TwoVol3 as demonstrated by the section of mouse brain above.



The TwoVol3 readily provides peak widths of < 1 ms as demonstrated by the above analysis of a gelatin standard.

Compatibility

| | |
|-------------------|---|
| Platforms | NWR213, NWR193UC, NWR193HE, NWRfemto, NWRimage |
| Software | ActiveView2 |
| Aerosol Transport | Dual Concentric Injector Signal Smoothers |

Additional Options

| | |
|------------------------|--|
| Sample Chamber Inserts | A variety of sample chamber inserts enabling accommodation of various sample types |
| CryoCell | For wet tissue analysis |

