**Table 1. Microwave settings for BOOST processes**

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|  | **Microwave set-up** | | | |
|  | **Wattage** | **Programme Time** | **Vacuum**  **( 20’’ Hg)** | **ColdSpot Plus** |
| **BOOST for cells**  **Monomer Anchoring** | 250 W | 30 s on / 15 s off  × 7 | / | ON |
| **BOOST for fixed 100 μm tissue sections**  **Monomer Anchoring** | 250 W | 30 s on / 15 s off  × 14 | YES | ON |
| **BOOST for FFPE**  **Monomer Anchoring** | 250 W | 30 s on / 15 s off  × 14 | YES | ON |
| **BOOST for organoids**  **Monomer Anchoring** | 250 W | 30 s on / 15 s off  × 27 | YES | ON |
| **BOOST for whole lymph nodes**  **Monomer Anchoring** | 250 W | 30 s on / 15 s off  × 40 | YES | ON |
| **BOOST for cells**  **Gelation** | 250 W | 30 s on / 20 s off  × 12 | / | ON |
| **BOOST for fixed 100μm tissue section**  **Gelation** | 250 W | 30 s on / 20 s off  × 12 | YES | ON |
| **BOOST for FFPE**  **Gelation** | 250 W | 30 s on / 20 s off  × 12 | YES | ON |
| **BOOST for organoid**  **Gelation** | 250 W | 30 s on / 20 s off  × 18 | YES | ON |
| **BOOST for whole lymph node**  **Gelation** | 250W | 30 s on / 20 s off  × 36 | YES | ON |
| **BOOST**  **Hydrolysis / Denaturation** | 650W | 5 minutes on / 30 s off  × 4 (cell, tissue section)  × 6 (FFPE, organoid)  × 12 (whole lymph node) | / | ON |
| **BOOST**  **Post-hydrolysis NHS ester / SYTOX Green staining** | 200W | 6 s on / 3 s off  × 100 (cell, tissue section, FFPE)  × 166 (organoid)  × 333 (whole lymph node) | / | / |
| **BOOST**  **Post-Hydrolysis immunostaining**  **Blocking** | 200W | 6 s on / 3s off  × 66 (cell, tissue section, FFPE)  × 100 (organoid) | / | / |
| **BOOST**  **Post-Hydrolysis immunostaining**  **Primary antibody incubation** | 200W | 6 s on / 3 s off  × 66 (cell, tissue section, FFPE)  × 100 (organoid) | / | / |
| **BOOST**  **Post-Hydrolysis immunostaining**  **Secondary antibody incubation** | 200W | 6 s on / 3 s off  × 66 (cell, tissue section, FFPE)  × 100 (organoid) | / | / |
| **FFPE antigen retrieval** | 550W | 5 minutes on / 30 s off  × 6 | / | ON |
| **Pre-BOOST immunostaining for cell** | 200W | 4 s on / 3 s off  × 40 for blocking, 1’ antibody incubation and 2’ antibody incubation | / | / |
| **BOOST washing (optional)** | 150W | 30 s on / 20 s off  × required time | / | ON |