

# Lidocaine Tray Set-up for Radiology Breast Procedures

The recommended doses below are for a patient weighing approximately 70kg.  
 The maximum dose of Lidocaine is 4.5 mg/kg without epinephrine (315mg) and 7 mg/kg with epinephrine (490mg).

## For one biopsy site:

| Qty | Drug Volume in Syringe                                                        | Lidocaine Dose |
|-----|-------------------------------------------------------------------------------|----------------|
| 1   | Tuberculine syringe with 1ml of 0.5% Lidocaine* (5mg/ml)                      | 5 mg           |
| 1   | 5 mL syringe: 0.5% Lidocaine (5mg/mL)                                         | 25 mg          |
| 1   | 10mL syringe:<br>5mL 0.25% Sensorcaine + 5mL of 1% Lidocaine w/ Epi (10mg/mL) | 50 mg          |
| 1   | PRN Use: 5 mL syringe: 0.5% Lidocaine (5mg/mL)                                | 25 mg          |
|     | <b>Total Dose of Lidocaine per Tray setup</b>                                 | <b>55 mg</b>   |

★ = 0.5% Lidocaine has a pH of 7.9, therefore addition of buffer is not needed.

## For two biopsy sites:

| Qty | Drug Volume in Syringe                                                        | Lidocaine Dose |
|-----|-------------------------------------------------------------------------------|----------------|
| 2   | Tuberculine syringe with 1ml of 0.5% Lidocaine* (5mg/ml)                      | 10 mg          |
| 2   | 5 mL syringe: 0.5% Lidocaine (5mg/mL)                                         | 50 mg          |
| 2   | 10mL syringe:<br>5mL 0.25% Sensorcaine + 5mL of 1% Lidocaine w/ Epi (10mg/mL) | 100 mg         |
| 1   | PRN Use: 5 mL syringe: 0.5% Lidocaine (5mg/mL)                                | 25 mg          |
|     | <b>Total Dose of Lidocaine per Tray setup</b>                                 | <b>185 mg</b>  |

★ = 0.5% Lidocaine has a pH of 7.9, therefore addition of buffer is not needed.

## For three biopsy sites:

| Qty | Drug Volume in Syringe                                                        | Lidocaine Dose |
|-----|-------------------------------------------------------------------------------|----------------|
| 3   | Tuberculine syringe with 1ml of 0.5% Lidocaine* (5mg/ml)                      | 15 mg          |
| 3   | 5 mL syringe: 0.5% Lidocaine (5mg/mL)                                         | 75 mg          |
| 3   | 10mL syringe:<br>5mL 0.25% Sensorcaine + 5mL of 1% Lidocaine w/ Epi (10mg/mL) | 150 mg         |
| 1   | PRN Use: 5 mL syringe: 0.5% Lidocaine (5mg/mL)                                | 25 mg          |
|     | <b>Total Dose of Lidocaine per Tray setup</b>                                 | <b>265 mg</b>  |

★ = 0.5% Lidocaine has a pH of 7.9, therefore addition of buffer is not needed.

## For four biopsy sites:

| Qty | Drug Volume in Syringe                                                        | Lidocaine Dose |
|-----|-------------------------------------------------------------------------------|----------------|
| 4   | Tuberculine syringe with 1ml of 0.5% Lidocaine* (5mg/ml)                      | 20 mg          |
| 4   | 5 mL syringe: 0.5% Lidocaine (5mg/mL)                                         | 100 mg         |
| 4   | 10mL syringe:<br>5mL 0.25% Sensorcaine + 5mL of 1% Lidocaine w/ Epi (10mg/mL) | 200 mg         |
| 1   | PRN Use: 5 mL syringe: 0.5% Lidocaine (5mg/mL)                                | 25 mg          |
|     | <b>Total Dose of Lidocaine per Tray setup</b>                                 | <b>345 mg</b>  |

★ = 0.5% Lidocaine has a pH of 7.9, therefore addition of buffer is not needed.

## For five biopsy sites:

| Qty | Drug Volume in Syringe                                                        | Lidocaine Dose |
|-----|-------------------------------------------------------------------------------|----------------|
| 5   | Tuberculine syringe with 1ml of 0.5% Lidocaine* (5mg/ml)                      | 25 mg          |
| 5   | 5 mL syringe: 0.5% Lidocaine (5mg/mL)                                         | 125 mg         |
| 5   | 10mL syringe:<br>5mL 0.25% Sensorcaine + 5mL of 1% Lidocaine w/ Epi (10mg/mL) | 250 mg         |
| 1   | PRN Use: 5 mL syringe: 0.5% Lidocaine (5mg/mL)                                | 25 mg          |
|     | <b>Total Dose of Lidocaine per Tray setup</b>                                 | <b>425 mg</b>  |

★ = 0.5% Lidocaine has a pH of 7.9, therefore addition of buffer is not needed.