



- Advanced Microscope and Digital Technology
- Comprehensive Fiber-Optic Enhanced Diagnostics
- Micro-Endodontic Care with a Focus on Relaxation

Adult Local Anesthesia Doses

Anesthetic	Max Infiltration Anesthesia in Min Soft Tissue		Mand Block Anesthesia in Min Soft Tissue		Max Dose lbs	mg/ 1.8cc Carpule	Maximum Carpules 70 kg/150 lbs			
	Onset Pulpal Tissue	Onset Pulpal Tissue	Onset Pulpal Tissue	mg/cc						
Articaine (Zoracaine, Septocaine^s)										
4% + 1:100,000 epi	1-6	60	190	1-6	60	230	40	400 mg	72	6 carpules
Bupivacaine (Marcaine)										
0.5% + 1:200,000 epi	2-10	40	360	2-10	40	420	5	225 mg	9	25 carpules
Lidocaine (Xylocaine, Lignospan^s, Lignospan Forte^s)										
2% plain	<2	5	-	-	-	-	20	300mg	36	9 carpules
2% + 1:50,000 epi	2-4	55-65	150	2-4	80-90	180-195	20	300mg	36	9 carpules
2% + 1:100,000 epi	2-4	55-65	150	2-4	80-90	180-195	20	300mg	36	9 carpules
Mepivacaine (Carbocaine, Pololcaine, Isocaine^s, Octacaine 100^s, Scandonest 2%^s)										
3% plain	<2	10-20	120-180	1	35-45	120-180	30	300mg	54	6 carpules
2% + 1:100,000 neo	<1	60	170	<1	85	190	20	300mg	36	9 carpules
2% + 1:20,000 levonordefrin	1	50	130	1	60-75	185	20	300mg	36	9 carpules
Prilocaine (Citanest)										
4% plain	<2	10-20	120	<2	45-65	150	40	400 mg	72	6 carpules
4% + 1:200,000 epi	2	35-45	120-135	2	50-70	150-180	40	400mg	72	6 carpules

^s – Septodont Product contains 1.7ml per carpule. Please adjust doses accordingly. **1 lb = .45 kg or 1 kg = 2.2 lbs**

Reference: Monheim's Local Anesthesia And Pain Control in Dental Practice 6th edition, C. Richard Bennett
American Academy of Pediatric Dentistry Reference Manual 2005-2006 / Lexicomp Database Online / www.dentalcompare.com

Revised 5/15/06



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Pediatric Local Anesthesia Doses

Anesthetic	Max Infiltration Anesthesia in Min Soft Tissue		Mand Block Anesthesia in Min Soft Tissue		Max Dose 150 lbs	mg/ 1.8cc Carpule	Maximum Carpules/ wt lbs						
	Pulpal	Tissue	Pulpal	Tissue			40	50	60	70	80	90	100
Articaïne (Zorcaine, Septocaine^s)													
4% + 1:100,000 epi	60	190	60	230	400 mg	72	1.5	1.75	2.25	2.5	3	3.25	3.75
Bupivacaine (Marcaine)													
0.5% + 1:200,000 epi	40	360	40	420	225 mg	9	6.5	8.25	10	11.5	13	15	16.5
Lidocaine (Xylocaine, Lignospan^s, Lignospan Forte^s)													
2% plain	5	-	-	-	300mg	36	2.25	2.75	3.25	3.75	4.5	5	5.5
2% + 1:50,000 epi	55-65	150	80-90	180-195	300mg	36	2.25	2.75	3.25	3.75	4.5	5	5.5
2% + 1:100,000 epi	55-65	150	80-90	180-195	300mg	36	2.25	2.75	3.25	3.75	4.5	5	5.5
Mepivacaine (Carbocaine, Pololcaine, Isocaine^s, Octacaine 100^s, Scandonest 2%^s)													
3% plain	10-20	120-180	35-45	120-180	300mg	54	1.5	1.75	.25	2.5	3	3.25	3.75
2% + 1:100,000 neo	60	170	85	190	300mg	36	2.25	2.75	3.25	3.75	4.5	5	5.5
2% + 1:20,000 levonordefrin	50	130	60-75	185	300mg	36	2.25	2.75	3.25	3.75	4.5	5	5.5
Prilocaine (Citaneft)													
4% plain	10-20	120	45-65	150	400 mg	72	1.5	1.75	2.25	2.5	3	3.25	3.75
4% + 1:200,000 epi	35-45	120-135	50-70	150-180	400mg	72	1.5	1.75	2.25	2.5	3	3.25	3.75

^s – Septodont Product contains 1.7ml per carpule. Please adjust doses accordingly. **1 lb = .45 kg or 1 kg = 2.2 lbs**

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