

Baseline[®] Tactile[™] Semmes-Weinstein type monofilaments



Individual monofilaments are shipped and stored in hard-shell protective carrying case. Sets are stored in case as well.



Each monofilament is marked with its size and force.

about the test

Monofilament test provides a non-invasive evaluation of cutaneous sensation level with objective and repeatable results.

use instructions

1. Rest patient's extremity on a stable, padded surface. Make sure patient cannot see the filament being applied during the test.
2. Instruct the patient on the testing procedure and to indicate when stimulus is felt.
3. You may use screening forms to record results. Note any areas on callus, abrasion, scarring or other blemishes by drawing them on the screening form. While testing, proceed from distal to proximal and from small to large monofilaments.
4. Determine where to test. Checks can be done over areas innervated by different nerves. **For the hand**, test the palmar surface of the index finger and thumb for median nerve function; test the little finger and hypothemar eminence for ulnar nerve; test the dorsum of then hand for radial nerve (*figure 1*). **For the foot**, test the sites indicated in *figure 2*.
5. While holding the handle, push the filament at a 90° angle against the skin until the filament bows. Hold in place for 1.5 seconds and then remove. For monofilaments 1.65 through 4.08 apply the monofilament in the same location up to 3 times to elicit a response. A single response indicates a positive response. For monofilaments 4.17 through 6.65, apply the stimulus once.
6. When testing with the 20-piece kit, begin with the 2.83 monofilament. If patient responds to stimulus at all sites, normal cutaneous sensation can be documented. If patient does not respond to a stimulus, choose next largest monofilament and repeat.
7. When testing with 5.07 only, follow instructions 1-5. Apply the 5.07 to the foot test sites shown in *figure 2*. Record a ✓ to indicate sensation and ✗ to indicate lack of sensation on each site.

cleaning and maintenance

These monofilaments are precision instruments. Care should be taken to protect the integrity of the nylon filament. The filament may be cleaned with a mild instrument disinfectant.

These monofilaments are transported and stored in a fitted protective case to help prevent monofilament damage. Substantially bent or kinked monofilament must not be used for testing and should be discarded.

figure 1

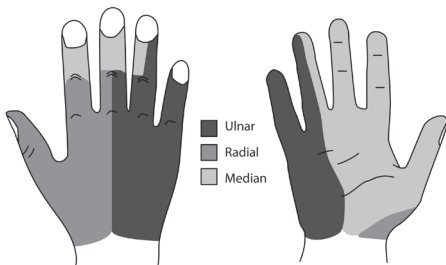
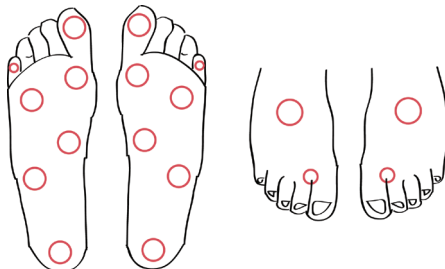


figure 2



references

Rehabilitation of the Hand: Surgery and Therapy; Mosby; ed. Hunter, Macken, Callahan; Vol I, 4th Edition; Chapter 9. 1995

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evaluator size and force chart

SKU	Evaluator Size	Target Force grams	hand & dorsal foot thresholds	plantar thresholds
12-1640	1.65	0.008	normal	normal
12-1641	2.36	0.02		
12-1642	2.44	0.04		
12-1643	2.83	0.07		
12-1644	3.22	0.16	diminished light touch	
12-1645	3.61	0.4		
12-1646	3.84	0.6	diminished protective sensation	diminished light touch
12-1647	4.08	1		
12-1648	4.17	1.4		
12-1649	4.31	2		
12-1650	4.56	4	loss of protective sensation	diminished protective sensation
12-1651	4.74	6		
12-1652	4.93	8		
12-1653	5.07	10		
12-1654	5.18	15		loss of protective sensation
12-1655	5.46	26		
12-1656	5.88	60		
12-1657	6.1	100		
12-1658	6.45	180		
12-1659	6.65	300	deep pressure sensation only	deep pressure sensation only

sets and cases

SKU	Set or Case	uses
12-1660	2-piece: 2.83, 3.61	normal set
12-1668	2-piece: 4.56, 5.07	protective set
12-1662	5-piece: 2.83, 3.61, 4.31, 4.56, 6.65	hand set
12-1664	6-piece: 2.83, 3.61, 4.31, 4.56, 5.07, 6.65	foot set
12-1666	20-piece: complete set 1.65 - 6.65	complete set
12-1637	protective case for 1 or 2 monofilaments	case only
12-1638	protective case for 5 or 6 monofilaments	
12-1639	protective case for 20 monofilaments	



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