



Test Definition: SPBX

Epidermal Nerve Fiber Density Consultation,
Varies

Reporting Title: Epidermal Nerve Fiber Density

Performing Location: Mayo Clinic Laboratories - Rochester Main Campus

Shipping Instructions:

Transport specimen per instructions on the [Epidermal Nerve Fiber Density Preparation Instructions](#) (T703).

Necessary Information:

All requisition and supporting information must be submitted in English.

Each of the following items is required:

1. All requisitions must be labeled with:

- Patient name, date of birth, and medical record number
- Name and phone number of the referring pathologist or ordering provider
- Anatomic site and collection date

2. [Epidermal Nerve Fiber Density Patient Information](#) (T702)

3. Additional clinical information:

- Neurology clinical notes
- Electromyography results if performed

Specimen Requirements:

Preferred:

Specimen Type: Skin punch biopsy

Supplies: Epidermal Nerve Fiber Density Kit (T696)

Source: Distal leg, mid-thigh, dorsal foot, or lower abdomen

Container/Tube: Epidermal Nerve Fiber Density Kit (**required**, no substitutions accepted)

Collection Instructions:

1. The standard biopsy for evaluating distal small fiber sensory neuropathy includes two 3-mm skin punch biopsies from the **same side of the body**.
2. Prepare specimen per instructions on the [Epidermal Nerve Fiber Density Preparation Instructions](#) (T703).

Acceptable:

Specimen Type: PGP 9.5-reacted slides

Additional Information:

1. **At least one slide reacted with PGP 9.5, using a PGP 9.5 protocol for visualizing epidermal nerve fibers, is required.**
2. At least one hematoxylin and eosin-stained slide and one Congo red-stained slide are optional.

Specimen Type: PGP 9.5-reacted slides **and** tissue block

Note: Visualization of epidermal nerve fibers cannot be done on paraffin blocks.

Additional Information:

1. **At least one slide reacted with PGP 9.5, using a PGP 9.5 protocol for visualizing epidermal nerve fibers, is required.**
2. Tissue block may **only** be used to create hematoxylin and eosin-stained slides and Congo red-stained slides.

Forms:

[Epidermal Nerve Fiber Density Patient Information](#) (T702) is required.

Specimen Type	Temperature	Time	Special Container
Varies	Refrigerated (preferred)		
	Ambient		

Result Codes:

Result ID	Reporting Name	Type	Unit	LOINC®
601780	Interpretation	Alphanumeric		59465-5
601791	Participated in the Interpretation	Alphanumeric		No LOINC Needed
601792	Report electronically signed by	Alphanumeric		19139-5
601793	Addendum	Alphanumeric		35265-8
601794	Gross Description	Alphanumeric		22634-0
601795	Material Received	Alphanumeric		81178-6
601824	Case Number	Alphanumeric		80398-1
601913	Disclaimer	Alphanumeric		62364-5

LOINC® and CPT codes are provided by the performing laboratory.

Supplemental Report:

No

CPT Code Information:

- 88305 (if appropriate)
- 88313 (if appropriate)
- 88321 (if appropriate)
- 88323 (if appropriate)
- 88323-26 (if appropriate)
- 88325 (if appropriate)
- 88348 (if appropriate)
- 88356 (if appropriate)
- 88342 (if appropriate)

Reflex Tests:

Test Id	Reporting Name	CPT Units	CPT Code	Always Performed	Available Separately
SS2PC	SpecStain, Grp II, other	1	88313	No	No, (Bill Only)
COSPC	Consult, Outside Slide	1	88321	No	No, (Bill Only)
CUPPC	Consult, w/USS Prof	1	88323	No	No, (Bill Only)
CRHPC	Consult, w/Comp Rvw of His	1	88325	No	No, (Bill Only)
MANPC	Morph Analysis, Nerve	1	88356	No	No, (Bill Only)
LV4RP	Level 4 Gross and Microscopic, RB	1	88305	No	No, (Bill Only)
CSPPC	Consult, w/Slide Prep	1	88323	No	No, (Bill Only)

EM	Electron Microscopy	1	88348	No	Yes
IHPCI	IHC Initial	1	88342	No	No, (Bill Only)

Result Codes for Reflex Tests:

Test ID	Result ID	Reporting Name	Type	Unit	LOINC®
EM	71033	Interpretation	Alphanumeric		59465-5
EM	71034	Participated in the Interpretation	Alphanumeric		No LOINC Needed
EM	71035	Report electronically signed by	Alphanumeric		19139-5
EM	71037	Material Received	Alphanumeric		81178-6
EM	71788	Case Number	Alphanumeric		80398-1

Reference Values:

An interpretive report will be provided.