TISSUE HISTOPATHOLOGY - WARTHIN STARRY SILVER STAIN for detection of *Borrelia burgdorferi* and related *Borrelia* species

PATIENT NAME: demonstration case
Reference laboratory: North American Clinical Laboratories BBI
Client Number:

SPECIMEN IDENTIFICATION/ CLINICAL HISTORY :: TISSUE

DIAGNOSIS: POSITIVE RESULTS, SPIROCHETES IDENTIFIED IN TISSUE SUBMITTED, MORPHOLOGY IS CONSISTENT WITH *Borrelia burgdorferi*

PATIENT SPECIMEN

CONTROL MATERIAL

PATHOLOGIST: ALAN B. MACDONALD, M.D.

DATE OF REPORT:

COMMENTS: tissue submitted shows a very large number of fragmented spirochetes, most as very short segments, without an inflammatory response.

ALL CONTROLS ACCEPTABLE.

CONTROLS: *B. burgdorferi* obtained from the American Type Culture collection, (ATCC 35210) (Isolate B31, contributor A.G. Harbour, MD)

Tissue Examination: Slides cut at 5 levels, all stained with Warthin Starry method
Test performed at Franklin Hospital Medical Center, Valley Stream, NY 11580

PATIENT NAME:

ACCESSION NUMBER:
TISSUE HISTOPATHOLOGY - WARTHIN STARRY SILVER STAIN for detection of *Borrelia burgdorferi* and related *Borrelia* species

**PATIENT NAME:** DEMONSTRATION CASE - NEGATIVE RESULT - SKIN

Reference laboratory: North American Clinical Laboratories BBI
Client Number: MEDICAL CLINICS

**SPECIMEN IDENTIFICATION/ CLINICAL HISTORY :: SKIN BIOPSY**

**DIAGNOSIS:** NEGATIVE RESULTS, SEE COMMENT

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**PATHOLOGIST:** ALAN B. MACDONALD, M.D.

**DATE OF REPORT:**

**COMMENTS:** NO SPIROCHETES ARE FOUND IN THE EPIDERMIS. INSPECTION OF DERMIS LIMITED BY ZONES OF EXCESS STAINING. SKIN BIOPSY REMARKABLE FOR HYPERKERATOSIS, WHICH IS NOT A USUAL COLLATERAL FINDING IN LYME RELATED DERMATITIS.

**CONTROLS:** *B. burgdorferi* obtained from the American Type Culture collection, (ATCC 35210) (Isolate B31, contributor A.G. Barbour, MD)

Tissue Examination: Slides cut at 5 levels, all stained with Warthin Starry method
Reference: "Lyme disease is a spirochetosis", *American Journal of Dermatopathology*, 1983
Test performed at Franklin Hospital Medical Center, Valley Stream, NY 11580

**PATIENT NAME:** UNKNOWN PERSON

**ACCESSION NUMBER:** 999999