

BIOPSY diagnosis for Pemphigus / Pemphigoid:

... Ideally provide: lesional specimen for H&E

PLUS

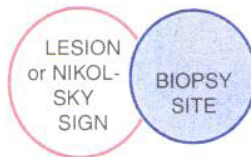
perilesional specimen for DIF

BIOPSY FOR H&E STAINING:

placed in 10% formalin fixative

LESION BIOPSY:

edge of lesion including
ulcer / edge / normal skin



... *sample must contain intact epithelium !*

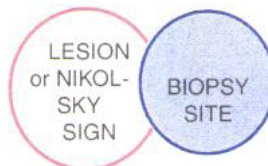
BIOPSY FOR DIF STAINING:

placed in Michels solution - preservative

LESION BIOPSY FROM SKIN:

edge of lesion including ulcer / edge / normal skin

Pemphigus or pemphigoid,
SKIN LESIONS,
Edge of lesion (as shown)
2nd biopsy, 3mm from lesion



IMPORTANT:

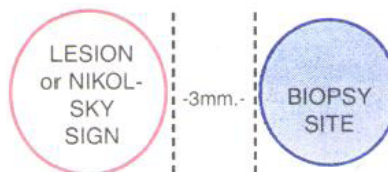
When submitting
specimen for DIF
studies, request:

“DIF for IgG, IgA,
IgM, fibrin and C3”

PERI-LESION BIOPSY FROM ORAL MUCOSA:

Take sample approximately 3mm from lesion edge

Pemphigus or pemphigoid,
ORAL MUCOSAL LESIONS,
Perilesional area
2nd biopsy, edge of lesion



SERUM STUDIES for evaluating Pemphigus / Pemphigoid:

By Indirect Immunofluorescence:

ROUTINE antibody titer:

**Pemphigus / pemphigoid antibody titer on monkey
esophagus by IgG & IgG4 indirect IF**

(aka: Mk. Esoph-IIF)

**....also for antibody prognostic titer comparing old
and new sera**

By ELISA:

**Pemphigus: Desmoglein (Dsg) 3 and 1 antibodies:
 Dsg 3: primary mucosal lesions
 Dsg 1 + 3: mixed skin and mucosal lesions**

Pemphigoid: BP230 and BP180 pemphigoid antibodies