BIOPSY 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

**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

**IMPORTANT:**
When submitting specimen for DIF studies, request:
“DIF for IgG, IgA, IgM, fibrin and C3”
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