

FAMILY: POACEAEGENUS: *Poa***1. PRECONDITIONING:**

METHOD	TIME (hrs)	TEMP (°C)
imbibe on moist blotters	overnight	20-25

Morphology



lemma

palea

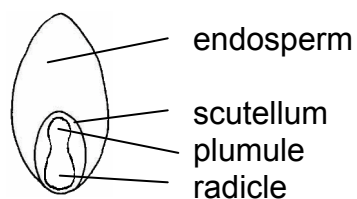


Fig 1 External

Fig 2 Embryo

**2. PREPARATION AND STAINING:**

METHOD	TZ Conc(%)	TIME (hrs)	TEMP (°C)
1. cut laterally slightly above embryo or undercut laterally beneath embryo	1.0	4-12	20-35
2. pierce with a needle in central endosperm area	1.0	4-12	20-35
3. bisect longitudinally, retaining half for staining or leave seed intact at distal end.	0.1	4-12	20-35

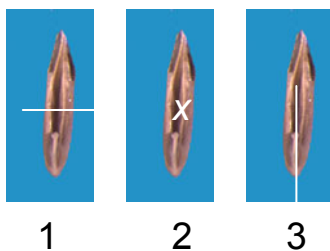


Fig 3

2007

FAMILY: POACEAE

GENUS: *POA*

Post Staining Notes: For pierced and laterally cut seeds, clear with lactic acid for 2 hours.



3. Evaluation:

VIALE (NORMAL STAINING)

- entire embryo evenly stained
- unstained outer edge of scutellar region acceptable

NON-VIALE (ABNORMAL OR NO STAINING)

- any essential part of the embryo unstained
- mottled or broken embryonic tissue
- irregular or uneven margin between scutellum and endosperm

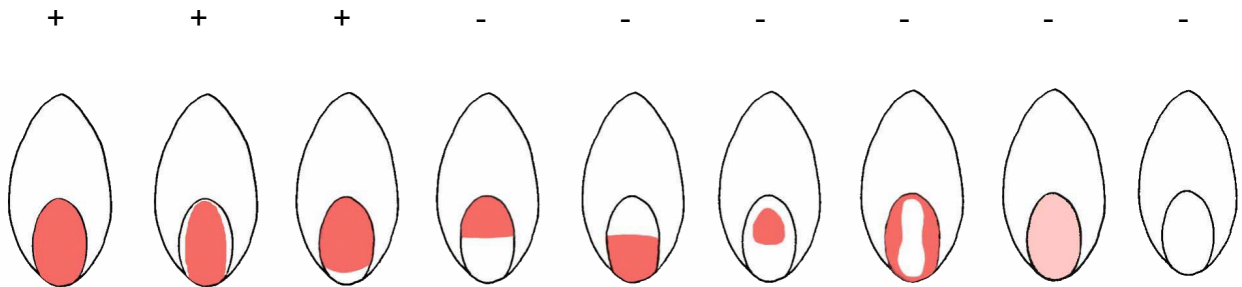


Fig 4

Lab References: 2, 4, 5, 6, 9, 10, 11, 13