**ELECTRON MICROSCOPY UNIT, FACULTY OF MEDICINE - KUWAIT UNIVERSITY**

**ELECTRON MICROSCOPIC EXAMINATION (REQUEST FORM)**

**EM No**: ......................**/**..............

**REQUESTER**:

**Name: ………… Mobile: ………**

**Department…… Ext……………**

**SPECIMEN:**

Tissue: .............. Specif. local: ............

  **Patient**  **Experiment**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name**:........ | **Age**: ... | **Animal**:....... | **Weight**:... |
| Hospital: ....... | No:..... | Treatment: ..... |
| Path. No........ | ................. |

**Histopathology Report:** ………

………………………………………...

**REQUEST FOR**: T.E.M  S.E.M

**Observation goals:** .....................

…………………
**FIXATION:** - Performed by  Requester  E.M.U staff

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Biopsy taken by:........** |  **/ /** | **(date)** |  **:** | **(time)** |
| **Fixative used: ............ (......% sol.) Start** |  **/ /** | **(date)** |  **:** | **(time)** |
| **Washed in ........... buffer (pH............) Start** |  **/ /** | **(date)** |  **:** | **(time)** |
| **Changes ............... End:** |  **/ /** | **(date)** |  **:** | **(time)** |
|  |  |  |

**Post-fixation by ………. % OsO4 (buffered) for …………………. hrs**

**N. B. Since the procedure of fixation is crucial to the EM observation, it has to be started immediately after taking the biopsy (not later than 5 min). Single pieces should not exceed 1-2 mm in size and solutions should be chilled whenever stored or transported. Fresh components of the fixative will be provided by the EMU on request. Mix them in the following ratio: GLUTARALDEHYDE (25 % stock) 0.6 ml + PHOSPHATE BUFFER (pH 7.2) 4.4 ml = 5 ml (minimum volume of fixative per vial). The specimen should be delivered to the EMU as soon as possible, preferably still in the GA fixative. Keep it cold (10° C).**