

CALCEIN STAINING

Protocol used for calcein bulk staining of microcracks

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PROTOCOL

Step 1 [~? + ? minutes]

Cutting

- Cut bone sample using a butcher saw into slices of 3 mm thickness.

Step 2 [~? + ? minutes]

Fixation

- Do something

Step 3 [~? + ? minutes]

Bulk staining

- Dissolve calcein at a concentration of 0.5 mM. Dissolution is performed either in distilled water or in 100% ethanol.
- Perform bulk staining under low vacuum (~300 mbar) at room temperature. 2 samples are stained for 7 hours and 2 are for 24 hours.

Step 4 [~? + ? minutes]

Embedding

- Do something

Step 5 [~? + ? minutes]

Sample preparation

- Do something

Step 6 [~? + ? minutes]

Histology analysis

- Do something

WARNINGS



Calcein

The $C_{30}H_{26}N_2O_{13}$ is bad for you. In case of contact, wash directly and inform the safety responsible.



Human tissue

Human bone can transmit diseases. Always use gloves when manipulating.

NOTES

REFERENCES

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