SNF: Protocols

# Embedding:

|  |  |  |
| --- | --- | --- |
| Fixation | Formaldehyde solution 4% | 2 days |
| Rinse | Tap water | 8-12 h, change 4x |
| Dehydration | Ethanol 40% | 1 day |
| Ethanol 70% | 1 day |
| Ethanol I (96%) | 1 day |
| Ethanol absolute | 1 day |
| Ethanol absolute | 1 day |
| Intermedium | Xylol | 1 day |
| Xylol | 1 day |
|  | Methylmethacrylate + Dibuthylphtalate | 1 day |

Embedding:

Methylmethacrylate + Dibuthylphtalate + Perkadox

# Bulk staining with Calcein

|  |  |  |
| --- | --- | --- |
| Fixation | Formaldehyde solution 4% | 2 days |
| Rinse | Tap water | 8-12 h, change 4x |
| Dehydration | Ethanol 40% | 1 day |
| Ethanol 70% | 1 day |
| Ethanol I (96%) | 1 day |
| Calcein staining solution | 1 day |
| Ethanol absolute | 1 day, change 3x |
| Intermedium | Xylol | 1 day |
| Xylol | 1 day |
|  | Methylmethacrylate + Dibuthylphtalate | 1 day |

Calcein staining solution:

100 ml Calcein solution: Disolve 0.031g Calcein in 100 ml pure Ethanol.

# Cement Lines Staining

* 5 min in 50% ethanol (ultrasonic bath)
* rinse with tap water, dry slide
* 5 min in 1% formic acid
* rinse with tap water, dry slide
* 10 min in Mc Neal "ready to use" solution
* rinse with tap water, dry slide