

MSG 040A - RED FD04 MGM AGITATION PROCEDURE ADDITION

1 MGM TEST CELL AGITATION

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NOTE

The objective of this procedure is to provide additional specimen agitation prior to MGM Test 3. The additional agitation is required to make the specimen more of a uniform cylindrical shape. These steps should be performed prior to MGM SETUP 3.

AS04 1. Remove Beta Cloth Cover on MGM Locker 2, temp stow

CAUTION

Do not apply excessive force to motor housing
while demating P21F/J21M connector

2. Disconnect 5-pin test cell connector plug P21F from motor connector J21M
Disconnect 18-pin test cell connector plug P14M from female connector J14F in test cell connector box
Disconnect 18-pin test cell connector plug P23F from male connector J23M in test cell connector box
3. Remove pip pin in test cell viewing stage clamp
Move viewing stage clamp away from Test Cell
4. Remove Test Cell from viewing stage
5. Agitate the specimen in the Test Cell by repeatedly jogging the top and bottom plates of the test cell with the heel of the hand in several directions. Jog the test cell as hard as necessary to break up any visible structure in the sand specimen. The specimen should take on a smooth cylindrical shape without large wrinkles.
6. Mount Test Cell, bottom end first, into viewing stage (inside red plates) with connector box upward
7. Press viewing stage clamp pad against top end plate until seated, and insert pip pin to lock viewing stage clamp in place

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CAUTION

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8. Connect 18-pin test cell connector plug P23F to male connector J23M on test cell connector box
Connect 18-pin test cell connector plug P14M to female connector J14F on test cell connector box
Connect 5-pin test cell connector plug P21F to motor connector J21M on test cell motor
9. Relocate Kick Plate and install to lower left corner of Locker 2, if required
Relocate Beta Cloth Cover and cover Locker 2
10. Go to MGM SETUP (NOM, pg. 1-4) step 12

Rationale: If the specimen is not thoroughly agitated so that it is uniform throughout, the science return is significantly diminished.